

Supplementary material

Amphibian decline in focus: population dynamics and life history of the Near Eastern fire salamander (*Salamandra infraimmaculata*)

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Table S1. Model selection results for adult-only Huggins closed-capture analyses conducted separately for each site × year × session combination. Models were ranked using AICc. ΔAICc values and Akaike weights are shown for all converged models.

site	year	session	model	npar	AICc	Deviance	DeltaAICc	weight
St1	2022	Autumn	H_dot	2	156.092	212.291	<0.001	0.820
St1	2022	Autumn	H_sex	4	160.119	212.106	4.027	0.110
St1	2022	Autumn	H_time	5	161.244	211.078	5.152	0.062
St1	2022	Autumn	H_time_sex	7	165.413	210.839	9.321	0.008
St1	2022	Spring1	H_dot	2	178.987	312.589	<0.001	0.774
St1	2022	Spring1	H_sex	4	182.545	311.986	3.558	0.131
St1	2022	Spring1	H_time	5	183.465	310.790	4.478	0.082
St1	2022	Spring1	H_time_sex	7	187.086	310.104	8.099	0.013
St1	2022	Spring2	H_dot	2	217.910	383.437	<0.001	0.777
St1	2022	Spring2	H_sex	4	221.696	383.088	3.785	0.117
St1	2022	Spring2	H_time	5	222.182	381.476	4.272	0.092
St1	2022	Spring2	H_time_sex	7	225.981	381.018	8.070	0.014
St1	2023	Autumn	H_sex	4	138.825	197.669	<0.001	0.533
St1	2023	Autumn	H_dot	2	139.313	202.397	0.489	0.418
St1	2023	Autumn	H_time_sex	7	144.772	196.982	5.948	0.027
St1	2023	Autumn	H_time	5	145.228	201.899	6.404	0.022
St1	2023	Spring2	H_dot	2	362.403	600.694	<0.001	0.612
St1	2023	Spring2	H_time	5	364.010	596.137	1.607	0.274
St1	2023	Spring2	H_sex	4	366.472	600.667	4.068	0.080
St1	2023	Spring2	H_time_sex	7	368.161	596.109	5.758	0.034
St1	2024	Autumn	H_dot	2	498.910	865.347	<0.001	0.653
St1	2024	Autumn	H_sex	4	500.487	862.853	1.577	0.297
St1	2024	Autumn	H_time	5	504.778	865.093	5.868	0.035
St1	2024	Autumn	H_time_sex	7	506.324	862.504	7.414	0.016
St1	2024	Spring1	H_dot	2	433.934	785.335	<0.001	0.629
St1	2024	Spring1	H_time	5	436.446	781.714	2.513	0.179
St1	2024	Spring1	H_sex	4	436.768	784.092	2.834	0.153
St1	2024	Spring1	H_time_sex	7	439.511	780.633	5.577	0.039
St1	2024	Spring2	H_dot	2	470.502	801.022	<0.001	0.491
St1	2024	Spring2	H_sex	4	471.555	798.000	1.054	0.290
St1	2024	Spring2	H_time	5	472.999	797.388	2.497	0.141
St1	2024	Spring2	H_time_sex	7	474.162	794.407	3.660	0.079
St2	2022	Autumn	H_dot	2	137.495	163.658	<0.001	0.816
St2	2022	Autumn	H_sex	4	141.514	163.419	4.020	0.109
St2	2022	Autumn	H_time	5	142.506	162.222	5.011	0.067
St2	2022	Autumn	H_time_sex	7	146.708	161.923	9.213	0.008
St2	2022	Spring1	H_dot	2	86.731	90.843	<0.001	0.822
St2	2022	Spring1	H_sex	4	90.539	90.227	3.808	0.123
St2	2022	Spring1	H_time	5	92.372	89.748	5.641	0.049
St2	2022	Spring1	H_time_sex	7	96.586	89.121	9.854	0.006

St2	2022	Spring2	H_dot	2	130.315	176.438	<0.001	0.692
St2	2022	Spring2	H_time	5	132.799	172.487	2.485	0.200
St2	2022	Spring2	H_sex	4	134.478	176.350	4.164	0.086
St2	2022	Spring2	H_time_sex	7	137.182	172.383	6.867	0.022
St2	2023	Autumn	H_time	5	39.324	32.052	<0.001	0.544
St2	2023	Autumn	H_dot	2	39.999	40.212	0.675	0.388
St2	2023	Autumn	H_sex	4	44.776	40.146	5.453	0.036
St2	2023	Autumn	H_time_sex	7	45.026	31.960	5.702	0.031
St2	2024	Autumn	H_dot	2	137.495	163.658	<0.001	0.816
St2	2024	Autumn	H_sex	4	141.514	163.419	4.020	0.109
St2	2024	Autumn	H_time	5	142.506	162.222	5.011	0.067
St2	2024	Autumn	H_time_sex	7	146.708	161.923	9.213	0.008
St2	2024	Spring1	H_dot	2	113.245	110.531	<0.001	0.855
St2	2024	Spring1	H_sex	4	117.394	110.335	4.149	0.107
St2	2024	Spring1	H_time	5	119.726	110.415	6.482	0.033
St2	2024	Spring1	H_time_sex	7	124.199	110.211	10.955	0.004
St2	2024	Spring2	H_dot	2	130.315	176.438	<0.001	0.692
St2	2024	Spring2	H_time	5	132.799	172.487	2.485	0.200
St2	2024	Spring2	H_sex	4	134.478	176.350	4.164	0.086
St2	2024	Spring2	H_time_sex	7	137.182	172.383	6.867	0.022
St3	2022	Autumn	H_dot	2	166.189	234.490	<0.001	0.712
St3	2022	Autumn	H_time	5	169.085	231.044	2.896	0.167
St3	2022	Autumn	H_sex	4	170.154	234.256	3.964	0.098
St3	2022	Autumn	H_time_sex	7	173.039	230.618	6.850	0.023
St3	2022	Spring1	H_dot	2	139.110	250.445	<0.001	0.573
St3	2022	Spring1	H_time	5	140.324	245.318	1.215	0.312
St3	2022	Spring1	H_sex	4	143.264	250.401	4.154	0.072
St3	2022	Spring1	H_time_sex	7	144.256	244.870	5.147	0.044
St3	2022	Spring2	H_dot	2	198.607	364.494	<0.001	0.599
St3	2022	Spring2	H_time	5	200.305	359.949	1.698	0.256
St3	2022	Spring2	H_sex	4	202.145	363.891	3.538	0.102
St3	2022	Spring2	H_time_sex	7	203.878	359.253	5.271	0.043
St3	2023	Autumn	H_time	5	254.276	443.296	<0.001	0.737
St3	2023	Autumn	H_dot	2	257.373	454.635	3.097	0.157
St3	2023	Autumn	H_time_sex	7	258.284	443.074	4.008	0.099
St3	2023	Autumn	H_sex	4	263.519	454.626	9.243	0.007
St3	2023	Spring1	H_time	5	155.302	328.438	<0.001	0.604
St3	2023	Spring1	H_time_sex	7	157.474	326.319	2.172	0.204
St3	2023	Spring1	H_dot	2	158.129	337.528	2.827	0.147
St3	2023	Spring1	H_sex	4	160.469	335.714	5.166	0.046
St3	2023	Spring2	H_dot	2	257.123	428.978	<0.001	0.739
St3	2023	Spring2	H_sex	4	260.503	428.234	3.380	0.136
St3	2023	Spring2	H_time	5	261.016	426.657	3.893	0.105
St3	2023	Spring2	H_time_sex	7	264.401	425.806	7.277	0.019
St3	2024	Autumn	H_time	5	455.062	832.255	<0.001	0.523
St3	2024	Autumn	H_dot	2	455.982	839.301	0.920	0.330
St3	2024	Autumn	H_time_sex	7	458.583	831.638	3.521	0.090
St3	2024	Autumn	H_sex	4	459.465	838.710	4.403	0.058
St3	2024	Spring1	H_dot	2	594.122	1203.049	<0.001	0.545
St3	2024	Spring1	H_time	5	595.905	1198.736	1.783	0.224
St3	2024	Spring1	H_sex	4	596.504	1201.375	2.381	0.166
St3	2024	Spring1	H_time_sex	7	598.373	1197.100	4.251	0.065
St3	2024	Spring2	H_dot	2	441.874	781.320	<0.001	0.516

St3	2024	Spring2	H_sex	4	442.251	777.620	0.378	0.427
St3	2024	Spring2	H_time_sex	7	447.615	776.781	5.741	0.029
St3	2024	Spring2	H_time	5	447.679	780.991	5.805	0.028
St4	2022	Autumn	H_dot	2	113.263	122.135	<0.001	0.822
St4	2022	Autumn	H_sex	4	116.844	121.395	3.112	0.137
St4	2022	Autumn	H_time	5	119.539	121.854	6.276	0.036
St4	2022	Autumn	H_time_sex	7	123.412	121.099	10.149	0.005
St4	2022	Spring1	H_dot	2	116.523	142.550	<0.001	0.756
St4	2022	Spring1	H_sex	4	120.207	141.942	3.684	0.120
St4	2022	Spring1	H_time	5	120.410	139.933	3.887	0.108
St4	2022	Spring1	H_time_sex	7	124.181	139.138	7.659	0.016
St4	2022	Spring2	H_dot	2	239.025	364.768	<0.001	0.462
St4	2022	Spring2	H_time	5	239.397	358.893	0.372	0.384
St4	2022	Spring2	H_sex	4	242.333	363.932	3.741	0.088
St4	2022	Spring2	H_time_sex	7	242.940	358.163	3.915	0.065
St4	2023	Autumn	H_dot	2	225.381	329.212	<0.001	0.838
St4	2023	Autumn	H_sex	4	229.380	329.060	3.998	0.113
St4	2023	Autumn	H_time	5	231.311	328.883	5.929	0.043
St4	2023	Autumn	H_time_sex	7	235.404	328.689	10.022	0.006
St4	2023	Spring1	H_dot	2	199.461	294.168	<0.001	0.793
St4	2023	Spring1	H_sex	4	202.786	293.323	3.325	0.151
St4	2023	Spring1	H_time	5	205.068	293.482	5.607	0.048
St4	2023	Spring1	H_time_sex	7	208.683	292.774	9.222	0.008
St4	2023	Spring2	H_sex	4	97.837	131.490	<0.001	0.376
St4	2023	Spring2	H_dot	2	98.315	136.279	0.478	0.296
St4	2023	Spring2	H_time_sex	7	99.416	126.236	1.579	0.171
St4	2023	Spring2	H_time	5	99.593	131.019	1.756	0.156
St4	2024	Autumn	H_dot	2	255.922	383.912	<0.001	0.829
St4	2024	Autumn	H_sex	4	259.811	383.668	3.889	0.119
St4	2024	Autumn	H_time	5	261.714	383.475	5.792	0.046
St4	2024	Autumn	H_time_sex	7	265.717	383.225	9.795	0.006
St4	2024	Spring1	H_dot	2	204.600	295.043	<0.001	0.804
St4	2024	Spring1	H_sex	4	207.974	294.251	3.375	0.149
St4	2024	Spring1	H_time	5	210.611	294.767	6.011	0.040
St4	2024	Spring1	H_time_sex	7	214.009	293.848	9.409	0.007
St4	2024	Spring2	H_dot	2	137.864	195.769	<0.001	0.729
St4	2024	Spring2	H_sex	4	141.233	194.904	3.368	0.135
St4	2024	Spring2	H_time	5	141.534	193.036	3.669	0.116
St4	2024	Spring2	H_time_sex	7	145.103	192.156	7.239	0.020
St5	2022	Autumn	H_dot	2	130.543	158.088	<0.001	0.593
St5	2022	Autumn	H_sex	4	131.970	155.241	1.427	0.290
St5	2022	Autumn	H_time	5	134.500	155.571	3.957	0.082
St5	2022	Autumn	H_time_sex	7	136.213	152.752	5.670	0.035
St5	2022	Spring1	H_sex	4	112.437	123.089	<0.001	0.616
St5	2022	Spring1	H_dot	2	114.538	129.535	2.101	0.215
St5	2022	Spring1	H_time_sex	7	115.755	119.477	3.318	0.117
St5	2022	Spring1	H_time	5	117.407	125.806	4.970	0.051
St5	2022	Spring2	H_dot	2	191.248	265.255	<0.001	0.591
St5	2022	Spring2	H_sex	4	192.631	262.455	1.383	0.296
St5	2022	Spring2	H_time	5	195.297	262.988	4.049	0.078
St5	2022	Spring2	H_time_sex	7	196.902	260.244	5.654	0.035
St5	2023	Autumn	H_time	5	305.346	702.525	<0.001	0.704
St5	2023	Autumn	H_dot	2	308.443	711.770	3.097	0.150

St5	2023	Autumn	H_time_sex	7	308.908	701.925	3.563	0.119
St5	2023	Autumn	H_sex	4	311.823	711.064	6.477	0.028
St5	2023	Spring1	H_sex	4	381.448	833.944	<0.001	0.357
St5	2023	Spring1	H_time_sex	7	382.144	828.446	0.696	0.252
St5	2023	Spring1	H_dot	2	382.216	838.786	0.768	0.243
St5	2023	Spring1	H_time	5	383.205	833.647	1.757	0.148
St5	2023	Spring2	H_time_sex	7	320.675	712.708	<0.001	0.560
St5	2023	Spring2	H_sex	4	321.875	720.125	1.200	0.307
St5	2023	Spring2	H_time	5	323.919	720.108	3.244	0.111
St5	2023	Spring2	H_dot	2	327.088	729.420	6.412	0.023
St5	2024	Autumn	H_dot	2	299.165	596.781	<0.001	0.460
St5	2024	Autumn	H_time	5	300.384	591.832	1.219	0.250
St5	2024	Autumn	H_sex	4	300.949	594.468	3.433	0.189
St5	2024	Autumn	H_time_sex	7	302.196	589.462	3.032	0.101
St5	2024	Spring1	H_dot	2	557.020	1279.167	<0.001	0.678
St5	2024	Spring1	H_time	5	559.478	1275.534	2.457	0.198
St5	2024	Spring1	H_sex	4	560.934	1279.028	3.914	0.096
St5	2024	Spring1	H_time_sex	7	563.417	1275.376	6.397	0.028
St5	2024	Spring2	H_dot	2	449.329	1056.387	<0.001	0.797
St5	2024	Spring2	H_sex	4	453.077	1056.074	3.747	0.122
St5	2024	Spring2	H_time	5	454.196	1055.149	4.867	0.070
St5	2024	Spring2	H_time_sex	7	458.019	1054.858	8.689	0.010
St6	2022	Autumn	H_dot	2	135.143	164.933	<0.001	0.688
St6	2022	Autumn	H_sex	4	137.090	162.621	1.947	0.260
St6	2022	Autumn	H_time	5	140.900	164.242	5.757	0.039
St6	2022	Autumn	H_time_sex	7	143.002	161.843	7.859	0.014
St6	2022	Spring1	H_dot	2	158.653	243.682	<0.001	0.493
St6	2022	Spring1	H_time	5	159.478	238.172	0.825	0.327
St6	2022	Spring1	H_sex	4	161.684	242.519	3.031	0.108
St6	2022	Spring1	H_time_sex	7	162.515	236.837	3.862	0.072
St6	2022	Spring2	H_dot	2	205.687	436.854	<0.001	0.624
St6	2022	Spring2	H_time	5	207.995	432.951	2.308	0.197
St6	2022	Spring2	H_sex	4	208.703	435.746	3.015	0.138
St6	2022	Spring2	H_time_sex	7	211.159	431.882	5.472	0.040
St6	2023	Autumn	H_dot	2	575.121	1414.179	<0.001	0.691
St6	2023	Autumn	H_time	5	578.200	1411.174	3.079	0.148
St6	2023	Autumn	H_sex	4	578.424	1413.434	3.304	0.132
St6	2023	Autumn	H_time_sex	7	581.516	1410.398	6.395	0.028
St6	2023	Spring1	H_time	5	529.570	1144.464	<0.001	0.776
St6	2023	Spring1	H_time_sex	7	532.054	1142.840	2.483	0.224
St6	2023	Spring1	H_dot	2	553.555	1174.547	23.985	<0.001
St6	2023	Spring1	H_sex	4	556.461	1173.396	26.891	<0.001
St6	2023	Spring2	H_dot	2	196.597	357.796	<0.001	0.806
St6	2023	Spring2	H_sex	4	200.119	357.174	3.521	0.139
St6	2023	Spring2	H_time	5	202.256	357.207	5.659	0.048
St6	2023	Spring2	H_time_sex	7	205.832	356.511	9.235	0.008
St6	2024	Autumn	H_sex	4	553.614	1260.091	<0.001	0.607
St6	2024	Autumn	H_dot	2	554.932	1265.462	1.318	0.314
St6	2024	Autumn	H_time_sex	7	558.556	1258.895	4.941	0.051
St6	2024	Autumn	H_time	5	559.780	1264.219	6.166	0.028
St6	2024	Spring1	H_time	5	681.038	1470.911	<0.001	0.492
St6	2024	Spring1	H_dot	2	682.365	1478.319	1.327	0.253
St6	2024	Spring1	H_time_sex	7	683.056	1468.841	2.017	0.179

St6	2024	Spring1	H_sex	4	684.791	1476.698	3.753	0.075
St6	2024	Spring2	H_time	5	365.953	706.329	<0.001	0.642
St6	2024	Spring2	H_time_sex	7	368.279	704.497	2.326	0.201
St6	2024	Spring2	H_dot	2	369.302	715.823	3.350	0.120
St6	2024	Spring2	H_sex	4	371.628	714.065	5.675	0.038

Table S2. Goodness-of-fit (GOF) results for annual adult encounter histories based on the overall CJS test implemented in R2ucare.

site	year	n_histories	n_individuals	stat	df	p_value
St1	2022	20	200	4.231	3	0.238
St1	2023	21	215	2.381	3	0.497
St1	2024	21	189	1.918	3	0.59
St2	2022	20	106	0.72	3	0.868
St2	2024	19	77	0.825	3	0.843
St3	2022	19	166	6.281	3	0.099
St3	2023	20	186	4.414	3	0.22
St3	2024	21	190	2.622	3	0.454
St4	2022	21	136	0.283	3	0.963
St4	2023	18	134	0.209	3	0.976
St4	2024	17	91	0	2	1
St5	2022	20	118	3.666	3	0.3
St5	2023	19	300	8.128	3	0.043
St5	2024	19	136	2.749	3	0.432
St6	2022	19	166	1.171	2	0.557
St6	2023	19	386	0	2	1
St6	2024	21	200	0.232	3	0.972

Table S3. Parameter estimates and confidence intervals for POPAN open-population models across all stations and years.

site	year	model	source	parameter	estimate	se	lcl	ucl
St1	2022	P1_dot_dot	real	Phi gMale a0 t1	0.326	0.059	0.222	0.450
St1	2022	P1_dot_dot	real	p gMale a0 t1	0.413	0.107	0.229	0.625
St1	2022	P1_dot_dot	real	N gMale a0 t1	188.776	38.041	138.843	296.904
St1	2022	P1_dot_dot	real	N gFemale a0 t1	204.549	41.009	150.610	320.909
St1	2022	P1_dot_dot	real	pent gMale a1 t2	0.067	0.028	0.029	0.148
St1	2022	P1_dot_dot	real	pent gMale a2 t3	0.028	0.019	0.007	0.099
St1	2022	P1_dot_dot	real	pent gMale a3 t4	0.230	0.038	0.164	0.312
St1	2022	P1_dot_dot	real	pent gMale a4 t5	0.145	0.034	0.090	0.224
St1	2022	P1_dot_dot	real	pent gMale a5 t6	0.093	0.029	0.050	0.166
St1	2022	P1_dot_dot	real	pent gMale a6 t7	0.141	0.031	0.091	0.213
St1	2022	P1_dot_dot	real	pent gMale a7 t8	0.048	0.024	0.018	0.123
St1	2022	P1_dot_dot	real	pent gMale a8 t9	0.022	0.016	0.005	0.088
St1	2022	P1_dot_dot	real	pent gFemale a1 t2	0.067	0.028	0.029	0.148
St1	2022	P1_dot_dot	real	pent gFemale a2 t3	0.028	0.019	0.007	0.099
St1	2022	P1_dot_dot	real	pent gFemale a3 t4	0.230	0.038	0.164	0.312
St1	2022	P1_dot_dot	real	pent gFemale a4 t5	0.145	0.034	0.090	0.224
St1	2022	P1_dot_dot	real	pent gFemale a5 t6	0.093	0.029	0.050	0.166
St1	2022	P1_dot_dot	real	pent gFemale a6 t7	0.141	0.031	0.091	0.213
St1	2022	P1_dot_dot	real	pent gFemale a7 t8	0.048	0.024	0.018	0.123
St1	2022	P1_dot_dot	real	pent gFemale a8 t9	0.022	0.016	0.005	0.088
St1	2022	P2_time_dot	real	Phi gMale a0 t1	0.606	0.227	0.192	0.909
St1	2022	P2_time_dot	real	Phi gMale a1 t2	0.344	0.178	0.101	0.712
St1	2022	P2_time_dot	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St1	2022	P2_time_dot	real	Phi gMale a3 t4	0.714	0.239	0.200	0.961
St1	2022	P2_time_dot	real	Phi gMale a4 t5	0.355	0.153	0.130	0.670

St1	2022	P2_time_dot	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St1	2022	P2_time_dot	real	Phi gMale a6 t7	0.809	0.183	0.293	0.977
St1	2022	P2_time_dot	real	Phi gMale a7 t8	0.586	0.185	0.241	0.863
St1	2022	P2_time_dot	real	p gMale a0 t1	0.289	0.064	0.181	0.429
St1	2022	P2_time_dot	real	N gMale a0 t1	217.416	32.876	168.086	300.503
St1	2022	P2_time_dot	real	N gFemale a0 t1	235.575	35.264	182.520	324.478
St1	2022	P2_time_dot	real	pent gMale a1 t2	0.016	0.063	<0.001	0.980
St1	2022	P2_time_dot	real	pent gMale a2 t3	0.027	0.029	0.003	0.187
St1	2022	P2_time_dot	real	pent gMale a3 t4	0.297	0.059	0.196	0.423
St1	2022	P2_time_dot	real	pent gMale a4 t5	0.085	0.070	0.016	0.350
St1	2022	P2_time_dot	real	pent gMale a5 t6	0.100	0.042	0.042	0.218
St1	2022	P2_time_dot	real	pent gMale a6 t7	0.193	0.033	0.137	0.265
St1	2022	P2_time_dot	real	pent gMale a7 t8	<0.001	<0.001	<0.001	<0.001
St1	2022	P2_time_dot	real	pent gMale a8 t9	<0.001	<0.001	<0.001	1
St1	2022	P2_time_dot	real	pent gFemale a1 t2	0.016	0.063	<0.001	0.980
St1	2022	P2_time_dot	real	pent gFemale a2 t3	0.027	0.029	0.003	0.187
St1	2022	P2_time_dot	real	pent gFemale a3 t4	0.297	0.059	0.196	0.423
St1	2022	P2_time_dot	real	pent gFemale a4 t5	0.085	0.070	0.016	0.350
St1	2022	P2_time_dot	real	pent gFemale a5 t6	0.100	0.042	0.042	0.218
St1	2022	P2_time_dot	real	pent gFemale a6 t7	0.193	0.033	0.137	0.265
St1	2022	P2_time_dot	real	pent gFemale a7 t8	<0.001	<0.001	<0.001	<0.001
St1	2022	P2_time_dot	real	pent gFemale a8 t9	<0.001	<0.001	<0.001	1
St1	2022	P3_dot_time	real	Phi gMale a0 t1	0.290	0.041	0.216	0.376
St1	2022	P3_dot_time	real	p gMale a0 t1	1.000	0.003	<0.001	1
St1	2022	P3_dot_time	real	p gMale a1 t2	0.486	0.173	0.196	0.786
St1	2022	P3_dot_time	real	p gMale a2 t3	0.484	0.242	0.123	0.862
St1	2022	P3_dot_time	real	p gMale a3 t4	0.139	0.048	0.069	0.261
St1	2022	P3_dot_time	real	p gMale a4 t5	0.452	0.154	0.196	0.736
St1	2022	P3_dot_time	real	p gMale a5 t6	0.487	0.202	0.163	0.822
St1	2022	P3_dot_time	real	p gMale a6 t7	0.200	0.070	0.096	0.371
St1	2022	P3_dot_time	real	p gMale a7 t8	0.482	0.166	0.203	0.774
St1	2022	P3_dot_time	real	p gMale a8 t9	1	<0.001	1	1
St1	2022	P3_dot_time	real	N gMale a0 t1	247.316	46.821	179.655	369.701
St1	2022	P3_dot_time	real	N gFemale a0 t1	267.965	50.373	195.016	399.383
St1	2022	P3_dot_time	real	pent gMale a1 t2	0.072	0.032	0.029	0.165
St1	2022	P3_dot_time	real	pent gMale a2 t3	0.021	0.020	0.003	0.127
St1	2022	P3_dot_time	real	pent gMale a3 t4	0.534	0.097	0.347	0.711
St1	2022	P3_dot_time	real	pent gMale a4 t5	<0.001	<0.001	<0.001	<0.001
St1	2022	P3_dot_time	real	pent gMale a5 t6	0.062	0.042	0.016	0.211
St1	2022	P3_dot_time	real	pent gMale a6 t7	0.236	0.075	0.120	0.412
St1	2022	P3_dot_time	real	pent gMale a7 t8	<0.001	<0.001	<0.001	<0.001
St1	2022	P3_dot_time	real	pent gMale a8 t9	0.003	0.008	<0.001	0.388
St1	2022	P3_dot_time	real	pent gFemale a1 t2	0.072	0.032	0.029	0.165
St1	2022	P3_dot_time	real	pent gFemale a2 t3	0.021	0.020	0.003	0.127
St1	2022	P3_dot_time	real	pent gFemale a3 t4	0.534	0.097	0.347	0.711
St1	2022	P3_dot_time	real	pent gFemale a4 t5	<0.001	<0.001	<0.001	<0.001
St1	2022	P3_dot_time	real	pent gFemale a5 t6	0.062	0.042	0.016	0.211
St1	2022	P3_dot_time	real	pent gFemale a6 t7	0.236	0.075	0.120	0.412
St1	2022	P3_dot_time	real	pent gFemale a7 t8	<0.001	<0.001	<0.001	<0.001
St1	2022	P3_dot_time	real	pent gFemale a8 t9	0.003	0.008	<0.001	0.388
St1	2022	P4_time_time	real	Phi gMale a0 t1	0.734	0.530	0.013	0.998
St1	2022	P4_time_time	real	Phi gMale a1 t2	0.089	0.057	0.024	0.280
St1	2022	P4_time_time	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St1	2022	P4_time_time	real	Phi gMale a3 t4	1.000	0.002	<0.001	1
St1	2022	P4_time_time	real	Phi gMale a4 t5	0.086	0.034	0.039	0.179
St1	2022	P4_time_time	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St1	2022	P4_time_time	real	Phi gMale a6 t7	0.969	0.523	<0.001	1
St1	2022	P4_time_time	real	Phi gMale a7 t8	0.153	0.080	0.052	0.377
St1	2022	P4_time_time	real	p gMale a0 t1	1.000	0.003	<0.001	1

St1	2022	P4_time_time	real	p gMale a1 t2	0.226	0.178	0.038	0.681
St1	2022	P4_time_time	real	p gMale a2 t3	1.000	0.001	<0.001	1
St1	2022	P4_time_time	real	p gMale a3 t4	0.988	3.752	<0.001	1
St1	2022	P4_time_time	real	p gMale a4 t5	0.187	0.062	0.093	0.339
St1	2022	P4_time_time	real	p gMale a5 t6	1.000	0.001	<0.001	1
St1	2022	P4_time_time	real	p gMale a6 t7	0.997	0.546	<0.001	1
St1	2022	P4_time_time	real	p gMale a7 t8	0.270	0.168	0.065	0.662
St1	2022	P4_time_time	real	p gMale a8 t9	1.000	0.008	<0.001	1
St1	2022	P4_time_time	real	N gMale a0 t1	195.345	44.684	138.833	326.419
St1	2022	P4_time_time	real	N gFemale a0 t1	211.665	48.217	150.574	352.889
St1	2022	P4_time_time	real	pent gMale a1 t2	0.194	0.132	0.044	0.556
St1	2022	P4_time_time	real	pent gMale a2 t3	0.006	0.014	<0.001	0.337
St1	2022	P4_time_time	real	pent gMale a3 t4	0.097	0.369	<0.001	0.998
St1	2022	P4_time_time	real	pent gMale a4 t5	0.403	0.385	0.028	0.940
St1	2022	P4_time_time	real	pent gMale a5 t6	0.023	0.023	0.003	0.144
St1	2022	P4_time_time	real	pent gMale a6 t7	0.066	0.041	0.019	0.207
St1	2022	P4_time_time	real	pent gMale a7 t8	0.117	0.082	0.027	0.386
St1	2022	P4_time_time	real	pent gMale a8 t9	0.002	0.011	<0.001	1.000
St1	2022	P4_time_time	real	pent gFemale a1 t2	0.194	0.132	0.044	0.556
St1	2022	P4_time_time	real	pent gFemale a2 t3	0.006	0.014	<0.001	0.337
St1	2022	P4_time_time	real	pent gFemale a3 t4	0.097	0.369	<0.001	0.998
St1	2022	P4_time_time	real	pent gFemale a4 t5	0.403	0.385	0.028	0.940
St1	2022	P4_time_time	real	pent gFemale a5 t6	0.023	0.023	0.003	0.144
St1	2022	P4_time_time	real	pent gFemale a6 t7	0.066	0.041	0.019	0.207
St1	2022	P4_time_time	real	pent gFemale a7 t8	0.117	0.082	0.027	0.386
St1	2022	P4_time_time	real	pent gFemale a8 t9	0.002	0.011	<0.001	1.000
St1	2022	P5_sex_dot	real	Phi gMale a0 t1	0.317	0.070	0.197	0.468
St1	2022	P5_sex_dot	real	Phi gFemale a0 t1	0.334	0.068	0.215	0.478
St1	2022	P5_sex_dot	real	p gMale a0 t1	0.413	0.107	0.229	0.626
St1	2022	P5_sex_dot	real	N gMale a0 t1	189.782	38.831	139.005	300.514
St1	2022	P5_sex_dot	real	N gFemale a0 t1	203.343	40.808	149.815	319.408
St1	2022	P5_sex_dot	real	pent gMale a1 t2	0.067	0.028	0.029	0.149
St1	2022	P5_sex_dot	real	pent gMale a2 t3	0.028	0.019	0.007	0.100
St1	2022	P5_sex_dot	real	pent gMale a3 t4	0.230	0.038	0.164	0.312
St1	2022	P5_sex_dot	real	pent gMale a4 t5	0.145	0.034	0.090	0.224
St1	2022	P5_sex_dot	real	pent gMale a5 t6	0.093	0.029	0.050	0.166
St1	2022	P5_sex_dot	real	pent gMale a6 t7	0.141	0.031	0.090	0.213
St1	2022	P5_sex_dot	real	pent gMale a7 t8	0.048	0.024	0.018	0.123
St1	2022	P5_sex_dot	real	pent gMale a8 t9	0.022	0.016	0.005	0.088
St1	2022	P5_sex_dot	real	pent gFemale a1 t2	0.067	0.028	0.029	0.149
St1	2022	P5_sex_dot	real	pent gFemale a2 t3	0.028	0.019	0.007	0.100
St1	2022	P5_sex_dot	real	pent gFemale a3 t4	0.230	0.038	0.164	0.312
St1	2022	P5_sex_dot	real	pent gFemale a4 t5	0.145	0.034	0.090	0.224
St1	2022	P5_sex_dot	real	pent gFemale a5 t6	0.093	0.029	0.050	0.166
St1	2022	P5_sex_dot	real	pent gFemale a6 t7	0.141	0.031	0.090	0.213
St1	2022	P5_sex_dot	real	pent gFemale a7 t8	0.048	0.024	0.018	0.123
St1	2022	P5_sex_dot	real	pent gFemale a8 t9	0.022	0.016	0.005	0.088
St1	2022	P6_dot_sex	real	Phi gMale a0 t1	0.321	0.059	0.218	0.446
St1	2022	P6_dot_sex	real	p gMale a0 t1	0.472	0.152	0.212	0.747
St1	2022	P6_dot_sex	real	p gFemale a0 t1	0.381	0.112	0.195	0.611
St1	2022	P6_dot_sex	real	N gMale a0 t1	169.430	42.826	121.426	308.062
St1	2022	P6_dot_sex	real	N gFemale a0 t1	219.810	52.412	153.695	373.887
St1	2022	P6_dot_sex	real	pent gMale a1 t2	0.069	0.028	0.030	0.148
St1	2022	P6_dot_sex	real	pent gMale a2 t3	0.028	0.018	0.008	0.098
St1	2022	P6_dot_sex	real	pent gMale a3 t4	0.228	0.038	0.163	0.310
St1	2022	P6_dot_sex	real	pent gMale a4 t5	0.145	0.033	0.091	0.224
St1	2022	P6_dot_sex	real	pent gMale a5 t6	0.093	0.028	0.050	0.165
St1	2022	P6_dot_sex	real	pent gMale a6 t7	0.140	0.031	0.090	0.211
St1	2022	P6_dot_sex	real	pent gMale a7 t8	0.049	0.024	0.019	0.122

St1	2022	P6_dot_sex	real	pent gMale a8 t9	0.022	0.016	0.005	0.086
St1	2022	P6_dot_sex	real	pent gFemale a1 t2	0.069	0.028	0.030	0.148
St1	2022	P6_dot_sex	real	pent gFemale a2 t3	0.028	0.018	0.008	0.098
St1	2022	P6_dot_sex	real	pent gFemale a3 t4	0.228	0.038	0.163	0.310
St1	2022	P6_dot_sex	real	pent gFemale a4 t5	0.145	0.033	0.091	0.224
St1	2022	P6_dot_sex	real	pent gFemale a5 t6	0.093	0.028	0.050	0.165
St1	2022	P6_dot_sex	real	pent gFemale a6 t7	0.140	0.031	0.090	0.211
St1	2022	P6_dot_sex	real	pent gFemale a7 t8	0.049	0.024	0.019	0.122
St1	2022	P6_dot_sex	real	pent gFemale a8 t9	0.022	0.016	0.005	0.086
St1	2022	P7_sex_sex	real	Phi gMale a0 t1	0.275	0.077	0.151	0.446
St1	2022	P7_sex_sex	real	Phi gFemale a0 t1	0.353	0.072	0.228	0.502
St1	2022	P7_sex_sex	real	p gMale a0 t1	0.548	0.195	0.205	0.850
St1	2022	P7_sex_sex	real	p gFemale a0 t1	0.353	0.110	0.175	0.583
St1	2022	P7_sex_sex	real	N gMale a0 t1	153.634	42.618	111.794	306.312
St1	2022	P7_sex_sex	real	N gFemale a0 t1	229.050	55.315	158.606	390.367
St1	2022	P7_sex_sex	real	pent gMale a1 t2	0.071	0.028	0.033	0.148
St1	2022	P7_sex_sex	real	pent gMale a2 t3	0.028	0.018	0.008	0.096
St1	2022	P7_sex_sex	real	pent gMale a3 t4	0.226	0.037	0.162	0.306
St1	2022	P7_sex_sex	real	pent gMale a4 t5	0.147	0.033	0.094	0.223
St1	2022	P7_sex_sex	real	pent gMale a5 t6	0.094	0.028	0.052	0.164
St1	2022	P7_sex_sex	real	pent gMale a6 t7	0.138	0.030	0.089	0.208
St1	2022	P7_sex_sex	real	pent gMale a7 t8	0.051	0.023	0.021	0.119
St1	2022	P7_sex_sex	real	pent gMale a8 t9	0.023	0.015	0.006	0.082
St1	2022	P7_sex_sex	real	pent gFemale a1 t2	0.071	0.028	0.033	0.148
St1	2022	P7_sex_sex	real	pent gFemale a2 t3	0.028	0.018	0.008	0.096
St1	2022	P7_sex_sex	real	pent gFemale a3 t4	0.226	0.037	0.162	0.306
St1	2022	P7_sex_sex	real	pent gFemale a4 t5	0.147	0.033	0.094	0.223
St1	2022	P7_sex_sex	real	pent gFemale a5 t6	0.094	0.028	0.052	0.164
St1	2022	P7_sex_sex	real	pent gFemale a6 t7	0.138	0.030	0.089	0.208
St1	2022	P7_sex_sex	real	pent gFemale a7 t8	0.051	0.023	0.021	0.119
St1	2022	P7_sex_sex	real	pent gFemale a8 t9	0.023	0.015	0.006	0.082
St1	2022	P8_timeSex_timeSex	real	Phi gMale a0 t1	0.611	0.377	0.065	0.972
St1	2022	P8_timeSex_timeSex	real	Phi gMale a1 t2	0.570	0.432	0.040	0.977
St1	2022	P8_timeSex_timeSex	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St1	2022	P8_timeSex_timeSex	real	Phi gMale a3 t4	0.522	0.311	0.087	0.927
St1	2022	P8_timeSex_timeSex	real	Phi gMale a4 t5	0.600	0.437	0.041	0.982
St1	2022	P8_timeSex_timeSex	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St1	2022	P8_timeSex_timeSex	real	Phi gMale a6 t7	0.579	0.295	0.114	0.937
St1	2022	P8_timeSex_timeSex	real	Phi gMale a7 t8	0.787	0.529	0.008	0.999
St1	2022	P8_timeSex_timeSex	real	Phi gFemale a0 t1	1	<0.001	1.000	1.000
St1	2022	P8_timeSex_timeSex	real	Phi gFemale a1 t2	1	<0.001	1.000	1.000
St1	2022	P8_timeSex_timeSex	real	Phi gFemale a2 t3	<0.001	<0.001	<0.001	<0.001
St1	2022	P8_timeSex_timeSex	real	Phi gFemale a3 t4	1	<0.001	1.000	1.000
St1	2022	P8_timeSex_timeSex	real	Phi gFemale a4 t5	1	<0.001	1.000	1.000
St1	2022	P8_timeSex_timeSex	real	Phi gFemale a5 t6	<0.001	<0.001	<0.001	<0.001
St1	2022	P8_timeSex_timeSex	real	Phi gFemale a6 t7	1	<0.001	1.000	1.000
St1	2022	P8_timeSex_timeSex	real	Phi gFemale a7 t8	1	<0.001	1.000	1.000
St1	2022	P8_timeSex_timeSex	real	p gMale a0 t1	0.678	0.307	0.118	0.971
St1	2022	P8_timeSex_timeSex	real	p gMale a1 t2	0.292	0.141	0.098	0.612
St1	2022	P8_timeSex_timeSex	real	p gMale a2 t3	0.173	0.112	0.043	0.492
St1	2022	P8_timeSex_timeSex	real	p gMale a3 t4	0.774	0.231	0.205	0.979
St1	2022	P8_timeSex_timeSex	real	p gMale a4 t5	0.347	0.176	0.104	0.708
St1	2022	P8_timeSex_timeSex	real	p gMale a5 t6	0.196	0.128	0.048	0.544
St1	2022	P8_timeSex_timeSex	real	p gMale a6 t7	1	<0.001	1	1
St1	2022	P8_timeSex_timeSex	real	p gMale a7 t8	0.456	0.191	0.156	0.792
St1	2022	P8_timeSex_timeSex	real	p gMale a8 t9	0.279	0.160	0.075	0.648
St1	2022	P8_timeSex_timeSex	real	p gFemale a0 t1	0.467	0.305	0.073	0.906
St1	2022	P8_timeSex_timeSex	real	p gFemale a1 t2	0.147	0.061	0.062	0.307
St1	2022	P8_timeSex_timeSex	real	p gFemale a2 t3	0.080	0.040	0.029	0.199

St1	2022	P8_timeSex_timeSex	real	p gFemale a3 t4	0.588	0.313	0.102	0.947
St1	2022	P8_timeSex_timeSex	real	p gFemale a4 t5	0.181	0.071	0.080	0.362
St1	2022	P8_timeSex_timeSex	real	p gFemale a5 t6	0.092	0.039	0.039	0.204
St1	2022	P8_timeSex_timeSex	real	p gFemale a6 t7	1	<0.001	1	1
St1	2022	P8_timeSex_timeSex	real	p gFemale a7 t8	0.258	0.101	0.111	0.494
St1	2022	P8_timeSex_timeSex	real	p gFemale a8 t9	0.139	0.065	0.052	0.320
St1	2022	P8_timeSex_timeSex	real	N gMale a0 t1	188.430	49.909	130.297	345.098
St1	2022	P8_timeSex_timeSex	real	N gFemale a0 t1	282.535	58.695	199.285	438.518
St1	2022	P8_timeSex_timeSex	real	pent gMale a1 t2	0.138	0.059	0.057	0.296
St1	2022	P8_timeSex_timeSex	real	pent gMale a2 t3	0.027	0.076	<0.001	0.891
St1	2022	P8_timeSex_timeSex	real	pent gMale a3 t4	0.125	0.053	0.052	0.271
St1	2022	P8_timeSex_timeSex	real	pent gMale a4 t5	0.235	0.106	0.088	0.493
St1	2022	P8_timeSex_timeSex	real	pent gMale a5 t6	0.174	0.123	0.038	0.529
St1	2022	P8_timeSex_timeSex	real	pent gMale a6 t7	0.057	0.016	0.033	0.097
St1	2022	P8_timeSex_timeSex	real	pent gMale a7 t8	0.081	0.037	0.033	0.189
St1	2022	P8_timeSex_timeSex	real	pent gMale a8 t9	0.020	0.041	<0.001	0.574
St1	2022	P8_timeSex_timeSex	real	pent gFemale a1 t2	0.138	0.059	0.057	0.296
St1	2022	P8_timeSex_timeSex	real	pent gFemale a2 t3	0.027	0.076	<0.001	0.891
St1	2022	P8_timeSex_timeSex	real	pent gFemale a3 t4	0.125	0.053	0.052	0.271
St1	2022	P8_timeSex_timeSex	real	pent gFemale a4 t5	0.235	0.106	0.088	0.493
St1	2022	P8_timeSex_timeSex	real	pent gFemale a5 t6	0.174	0.123	0.038	0.529
St1	2022	P8_timeSex_timeSex	real	pent gFemale a6 t7	0.057	0.016	0.033	0.097
St1	2022	P8_timeSex_timeSex	real	pent gFemale a7 t8	0.081	0.037	0.033	0.189
St1	2022	P8_timeSex_timeSex	real	pent gFemale a8 t9	0.020	0.041	<0.001	0.574
St1	2023	P1_dot_dot	real	Phi gMale a0 t1	0.438	0.042	0.359	0.521
St1	2023	P1_dot_dot	real	p gMale a0 t1	0.471	0.070	0.339	0.607
St1	2023	P1_dot_dot	real	N gMale a0 t1	199.861	22.166	167.050	256.568
St1	2023	P1_dot_dot	real	N gFemale a0 t1	152.234	17.573	126.522	197.665
St1	2023	P1_dot_dot	real	pent gMale a1 t2	0.034	0.029	0.006	0.167
St1	2023	P1_dot_dot	real	pent gMale a2 t3	0.079	0.025	0.042	0.143
St1	2023	P1_dot_dot	real	pent gMale a3 t4	0.289	0.041	0.215	0.376
St1	2023	P1_dot_dot	real	pent gMale a4 t5	0.042	0.031	0.010	0.163
St1	2023	P1_dot_dot	real	pent gMale a5 t6	0.094	0.027	0.053	0.161
St1	2023	P1_dot_dot	real	pent gMale a6 t7	0.122	0.030	0.075	0.193
St1	2023	P1_dot_dot	real	pent gMale a7 t8	0.031	0.022	0.008	0.116
St1	2023	P1_dot_dot	real	pent gMale a8 t9	0.015	0.014	0.002	0.094
St1	2023	P1_dot_dot	real	pent gFemale a1 t2	0.034	0.029	0.006	0.167
St1	2023	P1_dot_dot	real	pent gFemale a2 t3	0.079	0.025	0.042	0.143
St1	2023	P1_dot_dot	real	pent gFemale a3 t4	0.289	0.041	0.215	0.376
St1	2023	P1_dot_dot	real	pent gFemale a4 t5	0.042	0.031	0.010	0.163
St1	2023	P1_dot_dot	real	pent gFemale a5 t6	0.094	0.027	0.053	0.161
St1	2023	P1_dot_dot	real	pent gFemale a6 t7	0.122	0.030	0.075	0.193
St1	2023	P1_dot_dot	real	pent gFemale a7 t8	0.031	0.022	0.008	0.116
St1	2023	P1_dot_dot	real	pent gFemale a8 t9	0.015	0.014	0.002	0.094
St1	2023	P2_time_dot	real	Phi gMale a0 t1	0.744	0.116	0.469	0.905
St1	2023	P2_time_dot	real	Phi gMale a1 t2	0.571	0.159	0.272	0.826
St1	2023	P2_time_dot	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St1	2023	P2_time_dot	real	Phi gMale a3 t4	0.843	0.118	0.482	0.969
St1	2023	P2_time_dot	real	Phi gMale a4 t5	0.600	0.152	0.302	0.838
St1	2023	P2_time_dot	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St1	2023	P2_time_dot	real	Phi gMale a6 t7	0.576	0.183	0.238	0.856
St1	2023	P2_time_dot	real	Phi gMale a7 t8	0.563	0.221	0.181	0.882
St1	2023	P2_time_dot	real	p gMale a0 t1	0.422	0.054	0.321	0.531
St1	2023	P2_time_dot	real	N gMale a0 t1	194.804	17.518	167.731	237.903
St1	2023	P2_time_dot	real	N gFemale a0 t1	148.379	14.127	126.854	183.590
St1	2023	P2_time_dot	real	pent gMale a1 t2	<0.001	<0.001	<0.001	<0.001
St1	2023	P2_time_dot	real	pent gMale a2 t3	0.071	0.031	0.030	0.160
St1	2023	P2_time_dot	real	pent gMale a3 t4	0.329	0.038	0.258	0.408
St1	2023	P2_time_dot	real	pent gMale a4 t5	<0.001	<0.001	<0.001	<0.001

St1	2023	P2_time_dot	real	pent gMale a5 t6	0.082	0.034	0.036	0.176
St1	2023	P2_time_dot	real	pent gMale a6 t7	0.172	0.035	0.114	0.252
St1	2023	P2_time_dot	real	pent gMale a7 t8	0.018	0.032	0.001	0.381
St1	2023	P2_time_dot	real	pent gMale a8 t9	0.010	0.020	<0.001	0.359
St1	2023	P2_time_dot	real	pent gFemale a1 t2	<0.001	<0.001	<0.001	<0.001
St1	2023	P2_time_dot	real	pent gFemale a2 t3	0.071	0.031	0.030	0.160
St1	2023	P2_time_dot	real	pent gFemale a3 t4	0.329	0.038	0.258	0.408
St1	2023	P2_time_dot	real	pent gFemale a4 t5	<0.001	<0.001	<0.001	<0.001
St1	2023	P2_time_dot	real	pent gFemale a5 t6	0.082	0.034	0.036	0.176
St1	2023	P2_time_dot	real	pent gFemale a6 t7	0.172	0.035	0.114	0.252
St1	2023	P2_time_dot	real	pent gFemale a7 t8	0.018	0.032	0.001	0.381
St1	2023	P2_time_dot	real	pent gFemale a8 t9	0.010	0.020	<0.001	0.359
St1	2023	P3_dot_time	real	Phi gMale a0 t1	0.414	0.044	0.331	0.502
St1	2023	P3_dot_time	real	p gMale a0 t1	1	<0.001	1	1
St1	2023	P3_dot_time	real	p gMale a1 t2	0.523	0.107	0.322	0.717
St1	2023	P3_dot_time	real	p gMale a2 t3	0.827	0.218	0.195	0.989
St1	2023	P3_dot_time	real	p gMale a3 t4	0.309	0.068	0.193	0.454
St1	2023	P3_dot_time	real	p gMale a4 t5	0.468	0.102	0.283	0.663
St1	2023	P3_dot_time	real	p gMale a5 t6	0.807	0.205	0.241	0.982
St1	2023	P3_dot_time	real	p gMale a6 t7	0.190	0.058	0.101	0.329
St1	2023	P3_dot_time	real	p gMale a7 t8	0.315	0.111	0.144	0.559
St1	2023	P3_dot_time	real	p gMale a8 t9	0.493	0.220	0.148	0.845
St1	2023	P3_dot_time	real	N gMale a0 t1	218.790	25.547	180.201	282.966
St1	2023	P3_dot_time	real	N gFemale a0 t1	166.662	20.272	136.376	218.094
St1	2023	P3_dot_time	real	pent gMale a1 t2	0.084	0.027	0.044	0.154
St1	2023	P3_dot_time	real	pent gMale a2 t3	0.037	0.020	0.013	0.103
St1	2023	P3_dot_time	real	pent gMale a3 t4	0.411	0.066	0.289	0.544
St1	2023	P3_dot_time	real	pent gMale a4 t5	<0.001	<0.001	<0.001	<0.001
St1	2023	P3_dot_time	real	pent gMale a5 t6	0.038	0.023	0.011	0.121
St1	2023	P3_dot_time	real	pent gMale a6 t7	0.303	0.063	0.195	0.440
St1	2023	P3_dot_time	real	pent gMale a7 t8	<0.001	<0.001	<0.001	1
St1	2023	P3_dot_time	real	pent gMale a8 t9	<0.001	<0.001	<0.001	<0.001
St1	2023	P3_dot_time	real	pent gFemale a1 t2	0.084	0.027	0.044	0.154
St1	2023	P3_dot_time	real	pent gFemale a2 t3	0.037	0.020	0.013	0.103
St1	2023	P3_dot_time	real	pent gFemale a3 t4	0.411	0.066	0.289	0.544
St1	2023	P3_dot_time	real	pent gFemale a4 t5	<0.001	<0.001	<0.001	<0.001
St1	2023	P3_dot_time	real	pent gFemale a5 t6	0.038	0.023	0.011	0.121
St1	2023	P3_dot_time	real	pent gFemale a6 t7	0.303	0.063	0.195	0.440
St1	2023	P3_dot_time	real	pent gFemale a7 t8	<0.001	<0.001	<0.001	1
St1	2023	P3_dot_time	real	pent gFemale a8 t9	<0.001	<0.001	<0.001	<0.001
St1	2023	P4_time_time	real	Phi gMale a0 t1	1	<0.001	1	1
St1	2023	P4_time_time	real	Phi gMale a1 t2	0.198	0.049	0.119	0.312
St1	2023	P4_time_time	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St1	2023	P4_time_time	real	Phi gMale a3 t4	1	<0.001	1	1
St1	2023	P4_time_time	real	Phi gMale a4 t5	0.226	0.050	0.144	0.338
St1	2023	P4_time_time	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St1	2023	P4_time_time	real	Phi gMale a6 t7	0.557	0.253	0.145	0.903
St1	2023	P4_time_time	real	Phi gMale a7 t8	0.242	0.104	0.095	0.493
St1	2023	P4_time_time	real	p gMale a0 t1	0.987	0.035	0.249	1.000
St1	2023	P4_time_time	real	p gMale a1 t2	0.293	0.065	0.183	0.433
St1	2023	P4_time_time	real	p gMale a2 t3	1.000	0.004	<0.001	1
St1	2023	P4_time_time	real	p gMale a3 t4	0.879	59.309	<0.001	1
St1	2023	P4_time_time	real	p gMale a4 t5	0.333	0.065	0.219	0.469
St1	2023	P4_time_time	real	p gMale a5 t6	1.000	0.003	<0.001	1
St1	2023	P4_time_time	real	p gMale a6 t7	1.000	0.006	<0.001	1
St1	2023	P4_time_time	real	p gMale a7 t8	0.439	0.221	0.119	0.820
St1	2023	P4_time_time	real	p gMale a8 t9	1.000	0.082	<0.001	1
St1	2023	P4_time_time	real	N gMale a0 t1	162.427	13.475	143.399	198.374
St1	2023	P4_time_time	real	N gFemale a0 t1	123.698	10.743	108.768	152.764

St1	2023	P4_time_time	real	pent gMale a1 t2	0.197	0.053	0.112	0.322
St1	2023	P4_time_time	real	pent gMale a2 t3	0.032	0.020	0.009	0.106
St1	2023	P4_time_time	real	pent gMale a3 t4	0.207	13.942	<0.001	1
St1	2023	P4_time_time	real	pent gMale a4 t5	0.171	13.942	<0.001	1
St1	2023	P4_time_time	real	pent gMale a5 t6	0.040	0.021	0.014	0.109
St1	2023	P4_time_time	real	pent gMale a6 t7	0.087	0.018	0.058	0.130
St1	2023	P4_time_time	real	pent gMale a7 t8	0.087	0.047	0.029	0.234
St1	2023	P4_time_time	real	pent gMale a8 t9	0.006	0.013	<0.001	0.332
St1	2023	P4_time_time	real	pent gFemale a1 t2	0.197	0.053	0.112	0.322
St1	2023	P4_time_time	real	pent gFemale a2 t3	0.032	0.020	0.009	0.106
St1	2023	P4_time_time	real	pent gFemale a3 t4	0.207	13.942	<0.001	1
St1	2023	P4_time_time	real	pent gFemale a4 t5	0.171	13.942	<0.001	1
St1	2023	P4_time_time	real	pent gFemale a5 t6	0.040	0.021	0.014	0.109
St1	2023	P4_time_time	real	pent gFemale a6 t7	0.087	0.018	0.058	0.130
St1	2023	P4_time_time	real	pent gFemale a7 t8	0.087	0.047	0.029	0.234
St1	2023	P4_time_time	real	pent gFemale a8 t9	0.006	0.013	<0.001	0.332
St1	2023	P5_sex_dot	real	Phi gMale a0 t1	0.467	0.054	0.364	0.573
St1	2023	P5_sex_dot	real	Phi gFemale a0 t1	0.411	0.052	0.315	0.515
St1	2023	P5_sex_dot	real	p gMale a0 t1	0.464	0.071	0.331	0.602
St1	2023	P5_sex_dot	real	N gMale a0 t1	198.200	21.670	166.114	253.625
St1	2023	P5_sex_dot	real	N gFemale a0 t1	156.740	19.614	128.348	207.934
St1	2023	P5_sex_dot	real	pent gMale a1 t2	0.033	0.029	0.005	0.173
St1	2023	P5_sex_dot	real	pent gMale a2 t3	0.079	0.025	0.042	0.144
St1	2023	P5_sex_dot	real	pent gMale a3 t4	0.290	0.041	0.216	0.378
St1	2023	P5_sex_dot	real	pent gMale a4 t5	0.041	0.031	0.009	0.166
St1	2023	P5_sex_dot	real	pent gMale a5 t6	0.095	0.027	0.053	0.164
St1	2023	P5_sex_dot	real	pent gMale a6 t7	0.123	0.030	0.075	0.196
St1	2023	P5_sex_dot	real	pent gMale a7 t8	0.029	0.023	0.006	0.125
St1	2023	P5_sex_dot	real	pent gMale a8 t9	0.013	0.015	0.001	0.110
St1	2023	P5_sex_dot	real	pent gFemale a1 t2	0.033	0.029	0.005	0.173
St1	2023	P5_sex_dot	real	pent gFemale a2 t3	0.079	0.025	0.042	0.144
St1	2023	P5_sex_dot	real	pent gFemale a3 t4	0.290	0.041	0.216	0.378
St1	2023	P5_sex_dot	real	pent gFemale a4 t5	0.041	0.031	0.009	0.166
St1	2023	P5_sex_dot	real	pent gFemale a5 t6	0.095	0.027	0.053	0.164
St1	2023	P5_sex_dot	real	pent gFemale a6 t7	0.123	0.030	0.075	0.196
St1	2023	P5_sex_dot	real	pent gFemale a7 t8	0.029	0.023	0.006	0.125
St1	2023	P5_sex_dot	real	pent gFemale a8 t9	0.013	0.015	0.001	0.110
St1	2023	P6_dot_sex	real	Phi gMale a0 t1	0.439	0.042	0.359	0.521
St1	2023	P6_dot_sex	real	p gMale a0 t1	0.460	0.083	0.307	0.622
St1	2023	P6_dot_sex	real	p gFemale a0 t1	0.485	0.092	0.313	0.660
St1	2023	P6_dot_sex	real	N gMale a0 t1	203.282	27.330	164.797	276.375
St1	2023	P6_dot_sex	real	N gFemale a0 t1	149.003	21.637	119.959	209.337
St1	2023	P6_dot_sex	real	pent gMale a1 t2	0.034	0.029	0.006	0.167
St1	2023	P6_dot_sex	real	pent gMale a2 t3	0.079	0.025	0.042	0.143
St1	2023	P6_dot_sex	real	pent gMale a3 t4	0.289	0.041	0.215	0.376
St1	2023	P6_dot_sex	real	pent gMale a4 t5	0.042	0.031	0.010	0.163
St1	2023	P6_dot_sex	real	pent gMale a5 t6	0.094	0.027	0.053	0.162
St1	2023	P6_dot_sex	real	pent gMale a6 t7	0.123	0.030	0.075	0.194
St1	2023	P6_dot_sex	real	pent gMale a7 t8	0.031	0.022	0.007	0.118
St1	2023	P6_dot_sex	real	pent gMale a8 t9	0.014	0.014	0.002	0.098
St1	2023	P6_dot_sex	real	pent gFemale a1 t2	0.034	0.029	0.006	0.167
St1	2023	P6_dot_sex	real	pent gFemale a2 t3	0.079	0.025	0.042	0.143
St1	2023	P6_dot_sex	real	pent gFemale a3 t4	0.289	0.041	0.215	0.376
St1	2023	P6_dot_sex	real	pent gFemale a4 t5	0.042	0.031	0.010	0.163
St1	2023	P6_dot_sex	real	pent gFemale a5 t6	0.094	0.027	0.053	0.162
St1	2023	P6_dot_sex	real	pent gFemale a6 t7	0.123	0.030	0.075	0.194
St1	2023	P6_dot_sex	real	pent gFemale a7 t8	0.031	0.022	0.007	0.118
St1	2023	P6_dot_sex	real	pent gFemale a8 t9	0.014	0.014	0.002	0.098
St1	2023	P7_sex_sex	real	Phi gMale a0 t1	0.487	0.062	0.369	0.607

St1	2023	P7_sex_sex	real	Phi gFemale a0 t1	0.400	0.053	0.302	0.507
St1	2023	P7_sex_sex	real	p gMale a0 t1	0.415	0.090	0.256	0.595
St1	2023	P7_sex_sex	real	p gFemale a0 t1	0.513	0.097	0.330	0.692
St1	2023	P7_sex_sex	real	N gMale a0 t1	211.452	29.984	169.187	291.572
St1	2023	P7_sex_sex	real	N gFemale a0 t1	146.149	21.150	118.069	205.683
St1	2023	P7_sex_sex	real	pent gMale a1 t2	0.033	0.029	0.005	0.172
St1	2023	P7_sex_sex	real	pent gMale a2 t3	0.079	0.025	0.042	0.144
St1	2023	P7_sex_sex	real	pent gMale a3 t4	0.291	0.042	0.216	0.379
St1	2023	P7_sex_sex	real	pent gMale a4 t5	0.042	0.031	0.009	0.165
St1	2023	P7_sex_sex	real	pent gMale a5 t6	0.098	0.028	0.055	0.168
St1	2023	P7_sex_sex	real	pent gMale a6 t7	0.125	0.032	0.075	0.201
St1	2023	P7_sex_sex	real	pent gMale a7 t8	0.026	0.024	0.004	0.150
St1	2023	P7_sex_sex	real	pent gMale a8 t9	0.010	0.016	<0.001	0.198
St1	2023	P7_sex_sex	real	pent gFemale a1 t2	0.033	0.029	0.005	0.172
St1	2023	P7_sex_sex	real	pent gFemale a2 t3	0.079	0.025	0.042	0.144
St1	2023	P7_sex_sex	real	pent gFemale a3 t4	0.291	0.042	0.216	0.379
St1	2023	P7_sex_sex	real	pent gFemale a4 t5	0.042	0.031	0.009	0.165
St1	2023	P7_sex_sex	real	pent gFemale a5 t6	0.098	0.028	0.055	0.168
St1	2023	P7_sex_sex	real	pent gFemale a6 t7	0.125	0.032	0.075	0.201
St1	2023	P7_sex_sex	real	pent gFemale a7 t8	0.026	0.024	0.004	0.150
St1	2023	P7_sex_sex	real	pent gFemale a8 t9	0.010	0.016	<0.001	0.198
St1	2023	P8_timeSex_timeSex	real	Phi gMale a0 t1	1	<0.001	1	1
St1	2023	P8_timeSex_timeSex	real	Phi gMale a1 t2	0.241	0.063	0.139	0.384
St1	2023	P8_timeSex_timeSex	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St1	2023	P8_timeSex_timeSex	real	Phi gMale a3 t4	1	<0.001	1	1
St1	2023	P8_timeSex_timeSex	real	Phi gMale a4 t5	0.276	0.065	0.168	0.419
St1	2023	P8_timeSex_timeSex	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St1	2023	P8_timeSex_timeSex	real	Phi gMale a6 t7	0.570	0.206	0.204	0.873
St1	2023	P8_timeSex_timeSex	real	Phi gMale a7 t8	0.453	0.430	0.027	0.961
St1	2023	P8_timeSex_timeSex	real	Phi gFemale a0 t1	1	<0.001	1	1
St1	2023	P8_timeSex_timeSex	real	Phi gFemale a1 t2	0.148	0.050	0.073	0.276
St1	2023	P8_timeSex_timeSex	real	Phi gFemale a2 t3	<0.001	<0.001	<0.001	<0.001
St1	2023	P8_timeSex_timeSex	real	Phi gFemale a3 t4	1	<0.001	1	1
St1	2023	P8_timeSex_timeSex	real	Phi gFemale a4 t5	0.173	0.053	0.091	0.302
St1	2023	P8_timeSex_timeSex	real	Phi gFemale a5 t6	<0.001	<0.001	<0.001	<0.001
St1	2023	P8_timeSex_timeSex	real	Phi gFemale a6 t7	0.421	0.237	0.097	0.830
St1	2023	P8_timeSex_timeSex	real	Phi gFemale a7 t8	0.312	0.398	0.012	0.945
St1	2023	P8_timeSex_timeSex	real	p gMale a0 t1	0.898	0.475	<0.001	1.000
St1	2023	P8_timeSex_timeSex	real	p gMale a1 t2	0.345	0.080	0.209	0.512
St1	2023	P8_timeSex_timeSex	real	p gMale a2 t3	1	<0.001	1	1
St1	2023	P8_timeSex_timeSex	real	p gMale a3 t4	0.962	0.447	<0.001	1
St1	2023	P8_timeSex_timeSex	real	p gMale a4 t5	0.388	0.081	0.245	0.554
St1	2023	P8_timeSex_timeSex	real	p gMale a5 t6	1	<0.001	1.000	1.000
St1	2023	P8_timeSex_timeSex	real	p gMale a6 t7	0.294	0.092	0.149	0.498
St1	2023	P8_timeSex_timeSex	real	p gMale a7 t8	0.373	0.131	0.165	0.641
St1	2023	P8_timeSex_timeSex	real	p gMale a8 t9	0.554	0.551	0.015	0.990
St1	2023	P8_timeSex_timeSex	real	p gFemale a0 t1	0.846	0.682	<0.001	1.000
St1	2023	P8_timeSex_timeSex	real	p gFemale a1 t2	0.249	0.070	0.137	0.409
St1	2023	P8_timeSex_timeSex	real	p gFemale a2 t3	1	<0.001	1	1
St1	2023	P8_timeSex_timeSex	real	p gFemale a3 t4	0.941	0.687	<0.001	1
St1	2023	P8_timeSex_timeSex	real	p gFemale a4 t5	0.285	0.073	0.165	0.445
St1	2023	P8_timeSex_timeSex	real	p gFemale a5 t6	1	<0.001	1.000	1.000
St1	2023	P8_timeSex_timeSex	real	p gFemale a6 t7	0.208	0.096	0.077	0.453
St1	2023	P8_timeSex_timeSex	real	p gFemale a7 t8	0.272	0.145	0.082	0.611
St1	2023	P8_timeSex_timeSex	real	p gFemale a8 t9	0.438	0.591	0.007	0.989
St1	2023	P8_timeSex_timeSex	real	N gMale a0 t1	173.399	16.885	149.444	218.262
St1	2023	P8_timeSex_timeSex	real	N gFemale a0 t1	155.937	25.805	122.064	229.287
St1	2023	P8_timeSex_timeSex	real	pent gMale a1 t2	0.147	0.121	0.025	0.535
St1	2023	P8_timeSex_timeSex	real	pent gMale a2 t3	0.029	0.017	0.009	0.088

St1	2023	P8_timeSex_timeSex	real	pent gMale a3 t4	0.166	0.100	0.046	0.449
St1	2023	P8_timeSex_timeSex	real	pent gMale a4 t5	0.159	0.109	0.037	0.482
St1	2023	P8_timeSex_timeSex	real	pent gMale a5 t6	0.036	0.018	0.014	0.093
St1	2023	P8_timeSex_timeSex	real	pent gMale a6 t7	0.291	0.069	0.176	0.442
St1	2023	P8_timeSex_timeSex	real	pent gMale a7 t8	<0.001	<0.001	<0.001	<0.001
St1	2023	P8_timeSex_timeSex	real	pent gMale a8 t9	<0.001	<0.001	<0.001	<0.001
St1	2023	P8_timeSex_timeSex	real	pent gFemale a1 t2	0.147	0.121	0.025	0.535
St1	2023	P8_timeSex_timeSex	real	pent gFemale a2 t3	0.029	0.017	0.009	0.088
St1	2023	P8_timeSex_timeSex	real	pent gFemale a3 t4	0.166	0.100	0.046	0.449
St1	2023	P8_timeSex_timeSex	real	pent gFemale a4 t5	0.159	0.109	0.037	0.482
St1	2023	P8_timeSex_timeSex	real	pent gFemale a5 t6	0.036	0.018	0.014	0.093
St1	2023	P8_timeSex_timeSex	real	pent gFemale a6 t7	0.291	0.069	0.176	0.442
St1	2023	P8_timeSex_timeSex	real	pent gFemale a7 t8	<0.001	<0.001	<0.001	<0.001
St1	2023	P8_timeSex_timeSex	real	pent gFemale a8 t9	<0.001	<0.001	<0.001	<0.001
St1	2024	P1_dot_dot	real	Phi gMale a0 t1	0.466	0.039	0.390	0.544
St1	2024	P1_dot_dot	real	p gMale a0 t1	0.573	0.070	0.434	0.701
St1	2024	P1_dot_dot	real	N gMale a0 t1	116.295	11.007	100.711	145.591
St1	2024	P1_dot_dot	real	N gFemale a0 t1	148.661	13.445	129.339	183.977
St1	2024	P1_dot_dot	real	pent gMale a1 t2	0.082	0.028	0.041	0.157
St1	2024	P1_dot_dot	real	pent gMale a2 t3	0.101	0.028	0.058	0.171
St1	2024	P1_dot_dot	real	pent gMale a3 t4	0.231	0.038	0.164	0.315
St1	2024	P1_dot_dot	real	pent gMale a4 t5	0.087	0.031	0.042	0.171
St1	2024	P1_dot_dot	real	pent gMale a5 t6	0.045	0.023	0.016	0.117
St1	2024	P1_dot_dot	real	pent gMale a6 t7	0.169	0.033	0.114	0.245
St1	2024	P1_dot_dot	real	pent gMale a7 t8	0.095	0.030	0.051	0.170
St1	2024	P1_dot_dot	real	pent gMale a8 t9	0.007	0.017	<0.001	0.493
St1	2024	P1_dot_dot	real	pent gFemale a1 t2	0.082	0.028	0.041	0.157
St1	2024	P1_dot_dot	real	pent gFemale a2 t3	0.101	0.028	0.058	0.171
St1	2024	P1_dot_dot	real	pent gFemale a3 t4	0.231	0.038	0.164	0.315
St1	2024	P1_dot_dot	real	pent gFemale a4 t5	0.087	0.031	0.042	0.171
St1	2024	P1_dot_dot	real	pent gFemale a5 t6	0.045	0.023	0.016	0.117
St1	2024	P1_dot_dot	real	pent gFemale a6 t7	0.169	0.033	0.114	0.245
St1	2024	P1_dot_dot	real	pent gFemale a7 t8	0.095	0.030	0.051	0.170
St1	2024	P1_dot_dot	real	pent gFemale a8 t9	0.007	0.017	<0.001	0.493
St1	2024	P2_time_dot	real	Phi gMale a0 t1	0.872	0.194	0.183	0.995
St1	2024	P2_time_dot	real	Phi gMale a1 t2	0.532	0.164	0.238	0.806
St1	2024	P2_time_dot	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St1	2024	P2_time_dot	real	Phi gMale a3 t4	0.828	0.142	0.405	0.972
St1	2024	P2_time_dot	real	Phi gMale a4 t5	0.967	0.166	0.001	1.000
St1	2024	P2_time_dot	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St1	2024	P2_time_dot	real	Phi gMale a6 t7	0.727	0.169	0.335	0.934
St1	2024	P2_time_dot	real	Phi gMale a7 t8	0.797	0.172	0.328	0.969
St1	2024	P2_time_dot	real	p gMale a0 t1	0.447	0.064	0.327	0.572
St1	2024	P2_time_dot	real	N gMale a0 t1	119.623	10.178	104.457	145.507
St1	2024	P2_time_dot	real	N gFemale a0 t1	152.911	12.245	134.362	183.591
St1	2024	P2_time_dot	real	pent gMale a1 t2	0.036	0.050	0.002	0.384
St1	2024	P2_time_dot	real	pent gMale a2 t3	0.111	0.037	0.057	0.207
St1	2024	P2_time_dot	real	pent gMale a3 t4	0.320	0.058	0.217	0.443
St1	2024	P2_time_dot	real	pent gMale a4 t5	0.024	0.057	<0.001	0.741
St1	2024	P2_time_dot	real	pent gMale a5 t6	<0.001	0.001	<0.001	1
St1	2024	P2_time_dot	real	pent gMale a6 t7	0.229	0.047	0.150	0.335
St1	2024	P2_time_dot	real	pent gMale a7 t8	0.050	0.043	0.008	0.241
St1	2024	P2_time_dot	real	pent gMale a8 t9	<0.001	<0.001	<0.001	<0.001
St1	2024	P2_time_dot	real	pent gFemale a1 t2	0.036	0.050	0.002	0.384
St1	2024	P2_time_dot	real	pent gFemale a2 t3	0.111	0.037	0.057	0.207
St1	2024	P2_time_dot	real	pent gFemale a3 t4	0.320	0.058	0.217	0.443
St1	2024	P2_time_dot	real	pent gFemale a4 t5	0.024	0.057	<0.001	0.741
St1	2024	P2_time_dot	real	pent gFemale a5 t6	<0.001	0.001	<0.001	1
St1	2024	P2_time_dot	real	pent gFemale a6 t7	0.229	0.047	0.150	0.335

St1	2024	P2_time_dot	real	pent gFemale a7 t8	0.050	0.043	0.008	0.241
St1	2024	P2_time_dot	real	pent gFemale a8 t9	<0.001	<0.001	<0.001	<0.001
St1	2024	P3_dot_time	real	Phi gMale a0 t1	0.432	0.035	0.365	0.502
St1	2024	P3_dot_time	real	p gMale a0 t1	1.000	0.008	<0.001	1
St1	2024	P3_dot_time	real	p gMale a1 t2	0.619	0.134	0.348	0.832
St1	2024	P3_dot_time	real	p gMale a2 t3	0.778	0.216	0.231	0.976
St1	2024	P3_dot_time	real	p gMale a3 t4	0.245	0.047	0.164	0.348
St1	2024	P3_dot_time	real	p gMale a4 t5	0.460	0.070	0.330	0.596
St1	2024	P3_dot_time	real	p gMale a5 t6	1	<0.001	1	1
St1	2024	P3_dot_time	real	p gMale a6 t7	0.227	0.051	0.143	0.341
St1	2024	P3_dot_time	real	p gMale a7 t8	0.525	0.100	0.334	0.709
St1	2024	P3_dot_time	real	p gMale a8 t9	0.911	0.225	0.041	1.000
St1	2024	P3_dot_time	real	N gMale a0 t1	148.412	15.491	124.382	186.396
St1	2024	P3_dot_time	real	N gFemale a0 t1	189.677	18.696	160.291	234.969
St1	2024	P3_dot_time	real	pent gMale a1 t2	0.086	0.027	0.045	0.157
St1	2024	P3_dot_time	real	pent gMale a2 t3	0.058	0.027	0.023	0.139
St1	2024	P3_dot_time	real	pent gMale a3 t4	0.437	0.051	0.341	0.538
St1	2024	P3_dot_time	real	pent gMale a4 t5	<0.001	<0.001	<0.001	<0.001
St1	2024	P3_dot_time	real	pent gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St1	2024	P3_dot_time	real	pent gMale a6 t7	0.336	0.046	0.252	0.432
St1	2024	P3_dot_time	real	pent gMale a7 t8	<0.001	<0.001	<0.001	<0.001
St1	2024	P3_dot_time	real	pent gMale a8 t9	<0.001	<0.001	<0.001	<0.001
St1	2024	P3_dot_time	real	pent gFemale a1 t2	0.086	0.027	0.045	0.157
St1	2024	P3_dot_time	real	pent gFemale a2 t3	0.058	0.027	0.023	0.139
St1	2024	P3_dot_time	real	pent gFemale a3 t4	0.437	0.051	0.341	0.538
St1	2024	P3_dot_time	real	pent gFemale a4 t5	<0.001	<0.001	<0.001	<0.001
St1	2024	P3_dot_time	real	pent gFemale a5 t6	<0.001	<0.001	<0.001	<0.001
St1	2024	P3_dot_time	real	pent gFemale a6 t7	0.336	0.046	0.252	0.432
St1	2024	P3_dot_time	real	pent gFemale a7 t8	<0.001	<0.001	<0.001	<0.001
St1	2024	P3_dot_time	real	pent gFemale a8 t9	<0.001	<0.001	<0.001	<0.001
St1	2024	P4_time_time	real	Phi gMale a0 t1	1	<0.001	1.000	1.000
St1	2024	P4_time_time	real	Phi gMale a1 t2	0.219	0.061	0.122	0.361
St1	2024	P4_time_time	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St1	2024	P4_time_time	real	Phi gMale a3 t4	0.851	0.163	0.314	0.986
St1	2024	P4_time_time	real	Phi gMale a4 t5	0.686	17.301	<0.001	1
St1	2024	P4_time_time	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St1	2024	P4_time_time	real	Phi gMale a6 t7	0.647	0.156	0.323	0.875
St1	2024	P4_time_time	real	Phi gMale a7 t8	0.625	21.398	<0.001	1
St1	2024	P4_time_time	real	p gMale a0 t1	0.951	<0.001	0.951	0.951
St1	2024	P4_time_time	real	p gMale a1 t2	0.371	0.090	0.216	0.557
St1	2024	P4_time_time	real	p gMale a2 t3	1.000	0.002	<0.001	1
St1	2024	P4_time_time	real	p gMale a3 t4	1.000	0.009	<0.001	1
St1	2024	P4_time_time	real	p gMale a4 t5	0.419	0.084	0.269	0.587
St1	2024	P4_time_time	real	p gMale a5 t6	0.612	15.428	<0.001	1
St1	2024	P4_time_time	real	p gMale a6 t7	1.000	0.007	<0.001	1
St1	2024	P4_time_time	real	p gMale a7 t8	0.531	0.108	0.327	0.726
St1	2024	P4_time_time	real	p gMale a8 t9	0.638	21.843	<0.001	1
St1	2024	P4_time_time	real	N gMale a0 t1	104.220	7.894	93.478	125.975
St1	2024	P4_time_time	real	N gFemale a0 t1	133.240	9.589	119.941	159.228
St1	2024	P4_time_time	real	pent gMale a1 t2	0.194	0.063	0.099	0.346
St1	2024	P4_time_time	real	pent gMale a2 t3	0.052	0.025	0.020	0.128
St1	2024	P4_time_time	real	pent gMale a3 t4	0.164	0.026	0.119	0.223
St1	2024	P4_time_time	real	pent gMale a4 t5	0.202	0.038	0.137	0.287
St1	2024	P4_time_time	real	pent gMale a5 t6	<0.001	<0.001	<0.001	1
St1	2024	P4_time_time	real	pent gMale a6 t7	0.118	0.022	0.081	0.169
St1	2024	P4_time_time	real	pent gMale a7 t8	0.146	0.032	0.093	0.220
St1	2024	P4_time_time	real	pent gMale a8 t9	<0.001	<0.001	<0.001	1
St1	2024	P4_time_time	real	pent gFemale a1 t2	0.194	0.063	0.099	0.346
St1	2024	P4_time_time	real	pent gFemale a2 t3	0.052	0.025	0.020	0.128

St1	2024	P4_time_time	real	pent gFemale a3 t4	0.164	0.026	0.119	0.223
St1	2024	P4_time_time	real	pent gFemale a4 t5	0.202	0.038	0.137	0.287
St1	2024	P4_time_time	real	pent gFemale a5 t6	<0.001	<0.001	<0.001	1
St1	2024	P4_time_time	real	pent gFemale a6 t7	0.118	0.022	0.081	0.169
St1	2024	P4_time_time	real	pent gFemale a7 t8	0.146	0.032	0.093	0.220
St1	2024	P4_time_time	real	pent gFemale a8 t9	<0.001	<0.001	<0.001	1
St1	2024	P5_sex_dot	real	Phi gMale a0 t1	0.482	0.055	0.377	0.589
St1	2024	P5_sex_dot	real	Phi gFemale a0 t1	0.454	0.048	0.363	0.549
St1	2024	P5_sex_dot	real	p gMale a0 t1	0.572	0.070	0.433	0.700
St1	2024	P5_sex_dot	real	N gMale a0 t1	115.475	10.921	100.097	144.683
St1	2024	P5_sex_dot	real	N gFemale a0 t1	149.742	13.986	129.731	186.625
St1	2024	P5_sex_dot	real	pent gMale a1 t2	0.082	0.028	0.041	0.157
St1	2024	P5_sex_dot	real	pent gMale a2 t3	0.101	0.028	0.058	0.171
St1	2024	P5_sex_dot	real	pent gMale a3 t4	0.231	0.039	0.165	0.315
St1	2024	P5_sex_dot	real	pent gMale a4 t5	0.087	0.031	0.042	0.171
St1	2024	P5_sex_dot	real	pent gMale a5 t6	0.045	0.023	0.016	0.117
St1	2024	P5_sex_dot	real	pent gMale a6 t7	0.170	0.033	0.114	0.246
St1	2024	P5_sex_dot	real	pent gMale a7 t8	0.094	0.030	0.050	0.171
St1	2024	P5_sex_dot	real	pent gMale a8 t9	0.006	0.017	<0.001	0.560
St1	2024	P5_sex_dot	real	pent gFemale a1 t2	0.082	0.028	0.041	0.157
St1	2024	P5_sex_dot	real	pent gFemale a2 t3	0.101	0.028	0.058	0.171
St1	2024	P5_sex_dot	real	pent gFemale a3 t4	0.231	0.039	0.165	0.315
St1	2024	P5_sex_dot	real	pent gFemale a4 t5	0.087	0.031	0.042	0.171
St1	2024	P5_sex_dot	real	pent gFemale a5 t6	0.045	0.023	0.016	0.117
St1	2024	P5_sex_dot	real	pent gFemale a6 t7	0.170	0.033	0.114	0.246
St1	2024	P5_sex_dot	real	pent gFemale a7 t8	0.094	0.030	0.050	0.171
St1	2024	P5_sex_dot	real	pent gFemale a8 t9	0.006	0.017	<0.001	0.560
St1	2024	P6_dot_sex	real	Phi gMale a0 t1	0.466	0.039	0.390	0.544
St1	2024	P6_dot_sex	real	p gMale a0 t1	0.570	0.092	0.388	0.736
St1	2024	P6_dot_sex	real	p gFemale a0 t1	0.575	0.086	0.405	0.729
St1	2024	P6_dot_sex	real	N gMale a0 t1	116.637	13.968	98.393	156.507
St1	2024	P6_dot_sex	real	N gFemale a0 t1	148.302	16.030	126.633	192.727
St1	2024	P6_dot_sex	real	pent gMale a1 t2	0.082	0.028	0.041	0.157
St1	2024	P6_dot_sex	real	pent gMale a2 t3	0.101	0.028	0.058	0.171
St1	2024	P6_dot_sex	real	pent gMale a3 t4	0.231	0.038	0.164	0.315
St1	2024	P6_dot_sex	real	pent gMale a4 t5	0.087	0.031	0.042	0.171
St1	2024	P6_dot_sex	real	pent gMale a5 t6	0.045	0.023	0.016	0.117
St1	2024	P6_dot_sex	real	pent gMale a6 t7	0.169	0.033	0.114	0.245
St1	2024	P6_dot_sex	real	pent gMale a7 t8	0.095	0.030	0.050	0.171
St1	2024	P6_dot_sex	real	pent gMale a8 t9	0.007	0.017	<0.001	0.505
St1	2024	P6_dot_sex	real	pent gFemale a1 t2	0.082	0.028	0.041	0.157
St1	2024	P6_dot_sex	real	pent gFemale a2 t3	0.101	0.028	0.058	0.171
St1	2024	P6_dot_sex	real	pent gFemale a3 t4	0.231	0.038	0.164	0.315
St1	2024	P6_dot_sex	real	pent gFemale a4 t5	0.087	0.031	0.042	0.171
St1	2024	P6_dot_sex	real	pent gFemale a5 t6	0.045	0.023	0.016	0.117
St1	2024	P6_dot_sex	real	pent gFemale a6 t7	0.169	0.033	0.114	0.245
St1	2024	P6_dot_sex	real	pent gFemale a7 t8	0.095	0.030	0.050	0.171
St1	2024	P6_dot_sex	real	pent gFemale a8 t9	0.007	0.017	<0.001	0.505
St1	2024	P7_sex_sex	real	Phi gMale a0 t1	0.488	0.059	0.375	0.601
St1	2024	P7_sex_sex	real	Phi gFemale a0 t1	0.451	0.050	0.357	0.549
St1	2024	P7_sex_sex	real	p gMale a0 t1	0.554	0.098	0.364	0.729
St1	2024	P7_sex_sex	real	p gFemale a0 t1	0.586	0.088	0.409	0.742
St1	2024	P7_sex_sex	real	N gMale a0 t1	117.650	14.297	98.929	158.372
St1	2024	P7_sex_sex	real	N gFemale a0 t1	147.519	15.930	126.081	191.842
St1	2024	P7_sex_sex	real	pent gMale a1 t2	0.082	0.028	0.041	0.157
St1	2024	P7_sex_sex	real	pent gMale a2 t3	0.101	0.028	0.058	0.171
St1	2024	P7_sex_sex	real	pent gMale a3 t4	0.232	0.039	0.165	0.316
St1	2024	P7_sex_sex	real	pent gMale a4 t5	0.086	0.031	0.042	0.171
St1	2024	P7_sex_sex	real	pent gMale a5 t6	0.045	0.023	0.016	0.117

St1	2024	P7_sex_sex	real	pent gMale a6 t7	0.171	0.034	0.114	0.247
St1	2024	P7_sex_sex	real	pent gMale a7 t8	0.094	0.030	0.050	0.171
St1	2024	P7_sex_sex	real	pent gMale a8 t9	0.006	0.017	<0.001	0.632
St1	2024	P7_sex_sex	real	pent gFemale a1 t2	0.082	0.028	0.041	0.157
St1	2024	P7_sex_sex	real	pent gFemale a2 t3	0.101	0.028	0.058	0.171
St1	2024	P7_sex_sex	real	pent gFemale a3 t4	0.232	0.039	0.165	0.316
St1	2024	P7_sex_sex	real	pent gFemale a4 t5	0.086	0.031	0.042	0.171
St1	2024	P7_sex_sex	real	pent gFemale a5 t6	0.045	0.023	0.016	0.117
St1	2024	P7_sex_sex	real	pent gFemale a6 t7	0.171	0.034	0.114	0.247
St1	2024	P7_sex_sex	real	pent gFemale a7 t8	0.094	0.030	0.050	0.171
St1	2024	P7_sex_sex	real	pent gFemale a8 t9	0.006	0.017	<0.001	0.632
St1	2024	P8_timeSex_timeSex	real	Phi gMale a0 t1	1	<0.001	1	1
St1	2024	P8_timeSex_timeSex	real	Phi gMale a1 t2	0.203	0.082	0.086	0.407
St1	2024	P8_timeSex_timeSex	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St1	2024	P8_timeSex_timeSex	real	Phi gMale a3 t4	0.881	0.185	0.190	0.996
St1	2024	P8_timeSex_timeSex	real	Phi gMale a4 t5	1.000	0.001	<0.001	1
St1	2024	P8_timeSex_timeSex	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St1	2024	P8_timeSex_timeSex	real	Phi gMale a6 t7	0.634	0.181	0.273	0.889
St1	2024	P8_timeSex_timeSex	real	Phi gMale a7 t8	0.473	0.597	0.008	0.990
St1	2024	P8_timeSex_timeSex	real	Phi gFemale a0 t1	1	<0.001	1	1
St1	2024	P8_timeSex_timeSex	real	Phi gFemale a1 t2	0.233	0.077	0.116	0.413
St1	2024	P8_timeSex_timeSex	real	Phi gFemale a2 t3	<0.001	<0.001	<0.001	<0.001
St1	2024	P8_timeSex_timeSex	real	Phi gFemale a3 t4	0.898	0.173	0.179	0.997
St1	2024	P8_timeSex_timeSex	real	Phi gFemale a4 t5	1.000	0.001	<0.001	1
St1	2024	P8_timeSex_timeSex	real	Phi gFemale a5 t6	<0.001	<0.001	<0.001	<0.001
St1	2024	P8_timeSex_timeSex	real	Phi gFemale a6 t7	0.674	0.171	0.311	0.905
St1	2024	P8_timeSex_timeSex	real	Phi gFemale a7 t8	0.517	0.698	0.004	0.996
St1	2024	P8_timeSex_timeSex	real	p gMale a0 t1	0.424	0.104	0.242	0.630
St1	2024	P8_timeSex_timeSex	real	p gMale a1 t2	0.424	0.104	0.242	0.630
St1	2024	P8_timeSex_timeSex	real	p gMale a2 t3	1	<0.001	1	1
St1	2024	P8_timeSex_timeSex	real	p gMale a3 t4	1	<0.001	1	1
St1	2024	P8_timeSex_timeSex	real	p gMale a4 t5	0.460	0.095	0.288	0.643
St1	2024	P8_timeSex_timeSex	real	p gMale a5 t6	0.460	0.095	0.288	0.643
St1	2024	P8_timeSex_timeSex	real	p gMale a6 t7	1	<0.001	1	1
St1	2024	P8_timeSex_timeSex	real	p gMale a7 t8	0.573	0.111	0.355	0.765
St1	2024	P8_timeSex_timeSex	real	p gMale a8 t9	0.824	0.915	<0.001	1.000
St1	2024	P8_timeSex_timeSex	real	p gFemale a0 t1	0.333	0.089	0.186	0.522
St1	2024	P8_timeSex_timeSex	real	p gFemale a1 t2	0.333	0.089	0.186	0.522
St1	2024	P8_timeSex_timeSex	real	p gFemale a2 t3	1	<0.001	1	1
St1	2024	P8_timeSex_timeSex	real	p gFemale a3 t4	1	<0.001	1	1
St1	2024	P8_timeSex_timeSex	real	p gFemale a4 t5	0.367	0.087	0.218	0.546
St1	2024	P8_timeSex_timeSex	real	p gFemale a5 t6	0.367	0.087	0.218	0.546
St1	2024	P8_timeSex_timeSex	real	p gFemale a6 t7	1	<0.001	1	1
St1	2024	P8_timeSex_timeSex	real	p gFemale a7 t8	0.476	0.117	0.267	0.695
St1	2024	P8_timeSex_timeSex	real	p gFemale a8 t9	0.761	1.154	<0.001	1.000
St1	2024	P8_timeSex_timeSex	real	N gMale a0 t1	100.939	7.731	90.988	123.283
St1	2024	P8_timeSex_timeSex	real	N gFemale a0 t1	138.424	11.501	122.513	169.664
St1	2024	P8_timeSex_timeSex	real	pent gMale a1 t2	<0.001	<0.001	<0.001	<0.001
St1	2024	P8_timeSex_timeSex	real	pent gMale a2 t3	0.051	0.024	0.020	0.126
St1	2024	P8_timeSex_timeSex	real	pent gMale a3 t4	0.163	0.026	0.118	0.221
St1	2024	P8_timeSex_timeSex	real	pent gMale a4 t5	0.205	0.039	0.139	0.293
St1	2024	P8_timeSex_timeSex	real	pent gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St1	2024	P8_timeSex_timeSex	real	pent gMale a6 t7	0.117	0.022	0.080	0.168
St1	2024	P8_timeSex_timeSex	real	pent gMale a7 t8	0.147	0.033	0.094	0.223
St1	2024	P8_timeSex_timeSex	real	pent gMale a8 t9	<0.001	<0.001	<0.001	<0.001
St1	2024	P8_timeSex_timeSex	real	pent gFemale a1 t2	<0.001	<0.001	<0.001	<0.001
St1	2024	P8_timeSex_timeSex	real	pent gFemale a2 t3	0.051	0.024	0.020	0.126
St1	2024	P8_timeSex_timeSex	real	pent gFemale a3 t4	0.163	0.026	0.118	0.221
St1	2024	P8_timeSex_timeSex	real	pent gFemale a4 t5	0.205	0.039	0.139	0.293

St1	2024	P8_timeSex_timeSex	real	pent gFemale a5 t6	<0.001	<0.001	<0.001	<0.001
St1	2024	P8_timeSex_timeSex	real	pent gFemale a6 t7	0.117	0.022	0.080	0.168
St1	2024	P8_timeSex_timeSex	real	pent gFemale a7 t8	0.147	0.033	0.094	0.223
St1	2024	P8_timeSex_timeSex	real	pent gFemale a8 t9	<0.001	<0.001	<0.001	<0.001
St2	2022	P1_dot_dot	real	Phi gMale a0 t1	0.406	0.055	0.305	0.516
St2	2022	P1_dot_dot	real	p gMale a0 t1	0.663	0.110	0.428	0.837
St2	2022	P1_dot_dot	real	N gMale a0 t1	70.472	8.980	60.060	98.768
St2	2022	P1_dot_dot	real	N gFemale a0 t1	67.843	8.693	57.796	95.306
St2	2022	P1_dot_dot	real	pent gMale a1 t2	0.030	0.026	0.006	0.150
St2	2022	P1_dot_dot	real	pent gMale a2 t3	0.025	0.019	0.006	0.105
St2	2022	P1_dot_dot	real	pent gMale a3 t4	0.288	0.052	0.198	0.399
St2	2022	P1_dot_dot	real	pent gMale a4 t5	0.079	0.038	0.030	0.192
St2	2022	P1_dot_dot	real	pent gMale a5 t6	0.049	0.027	0.016	0.138
St2	2022	P1_dot_dot	real	pent gMale a6 t7	0.219	0.046	0.141	0.322
St2	2022	P1_dot_dot	real	pent gMale a7 t8	0.088	0.036	0.038	0.190
St2	2022	P1_dot_dot	real	pent gMale a8 t9	0.048	0.027	0.016	0.136
St2	2022	P1_dot_dot	real	pent gFemale a1 t2	0.030	0.026	0.006	0.150
St2	2022	P1_dot_dot	real	pent gFemale a2 t3	0.025	0.019	0.006	0.105
St2	2022	P1_dot_dot	real	pent gFemale a3 t4	0.288	0.052	0.198	0.399
St2	2022	P1_dot_dot	real	pent gFemale a4 t5	0.079	0.038	0.030	0.192
St2	2022	P1_dot_dot	real	pent gFemale a5 t6	0.049	0.027	0.016	0.138
St2	2022	P1_dot_dot	real	pent gFemale a6 t7	0.219	0.046	0.141	0.322
St2	2022	P1_dot_dot	real	pent gFemale a7 t8	0.088	0.036	0.038	0.190
St2	2022	P1_dot_dot	real	pent gFemale a8 t9	0.048	0.027	0.016	0.136
St2	2022	P2_time_dot	real	Phi gMale a0 t1	0.679	0.177	0.300	0.913
St2	2022	P2_time_dot	real	Phi gMale a1 t2	0.484	0.234	0.131	0.855
St2	2022	P2_time_dot	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St2	2022	P2_time_dot	real	Phi gMale a3 t4	0.541	0.155	0.258	0.800
St2	2022	P2_time_dot	real	Phi gMale a4 t5	0.678	0.218	0.230	0.937
St2	2022	P2_time_dot	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St2	2022	P2_time_dot	real	Phi gMale a6 t7	0.764	0.214	0.240	0.971
St2	2022	P2_time_dot	real	Phi gMale a7 t8	0.428	0.170	0.161	0.745
St2	2022	P2_time_dot	real	p gMale a0 t1	0.524	0.109	0.319	0.722
St2	2022	P2_time_dot	real	N gMale a0 t1	76.551	9.566	64.160	104.053
St2	2022	P2_time_dot	real	N gFemale a0 t1	73.698	9.276	61.720	100.433
St2	2022	P2_time_dot	real	pent gMale a1 t2	<0.001	0.001	<0.001	1
St2	2022	P2_time_dot	real	pent gMale a2 t3	0.023	0.024	0.003	0.157
St2	2022	P2_time_dot	real	pent gMale a3 t4	0.341	0.070	0.218	0.489
St2	2022	P2_time_dot	real	pent gMale a4 t5	0.051	0.056	0.006	0.339
St2	2022	P2_time_dot	real	pent gMale a5 t6	0.030	0.038	0.002	0.283
St2	2022	P2_time_dot	real	pent gMale a6 t7	0.266	0.063	0.161	0.405
St2	2022	P2_time_dot	real	pent gMale a7 t8	0.042	0.061	0.002	0.456
St2	2022	P2_time_dot	real	pent gMale a8 t9	0.047	0.033	0.011	0.175
St2	2022	P2_time_dot	real	pent gFemale a1 t2	<0.001	0.001	<0.001	1
St2	2022	P2_time_dot	real	pent gFemale a2 t3	0.023	0.024	0.003	0.157
St2	2022	P2_time_dot	real	pent gFemale a3 t4	0.341	0.070	0.218	0.489
St2	2022	P2_time_dot	real	pent gFemale a4 t5	0.051	0.056	0.006	0.339
St2	2022	P2_time_dot	real	pent gFemale a5 t6	0.030	0.038	0.002	0.283
St2	2022	P2_time_dot	real	pent gFemale a6 t7	0.266	0.063	0.161	0.405
St2	2022	P2_time_dot	real	pent gFemale a7 t8	0.042	0.061	0.002	0.456
St2	2022	P2_time_dot	real	pent gFemale a8 t9	0.047	0.033	0.011	0.175
St2	2022	P3_dot_time	real	Phi gMale a0 t1	0.397	0.049	0.305	0.496
St2	2022	P3_dot_time	real	p gMale a0 t1	1.000	<0.001	<0.001	1
St2	2022	P3_dot_time	real	p gMale a1 t2	0.612	0.190	0.248	0.883
St2	2022	P3_dot_time	real	p gMale a2 t3	1	<0.001	1	1
St2	2022	P3_dot_time	real	p gMale a3 t4	0.417	0.101	0.240	0.618
St2	2022	P3_dot_time	real	p gMale a4 t5	0.776	0.167	0.345	0.958
St2	2022	P3_dot_time	real	p gMale a5 t6	1	<0.001	1	1
St2	2022	P3_dot_time	real	p gMale a6 t7	0.261	0.089	0.126	0.465

St2	2022	P3_dot_time	real	p gMale a7 t8	0.521	0.165	0.229	0.799
St2	2022	P3_dot_time	real	p gMale a8 t9	0.640	0.249	0.176	0.937
St2	2022	P3_dot_time	real	N gMale a0 t1	89.412	13.358	71.325	126.380
St2	2022	P3_dot_time	real	N gFemale a0 t1	86.081	12.946	68.597	121.987
St2	2022	P3_dot_time	real	pent gMale a1 t2	0.046	0.025	0.016	0.130
St2	2022	P3_dot_time	real	pent gMale a2 t3	0.010	0.012	0.001	0.098
St2	2022	P3_dot_time	real	pent gMale a3 t4	0.361	0.071	0.236	0.508
St2	2022	P3_dot_time	real	pent gMale a4 t5	<0.001	<0.001	<0.001	<0.001
St2	2022	P3_dot_time	real	pent gMale a5 t6	0.027	0.017	0.008	0.088
St2	2022	P3_dot_time	real	pent gMale a6 t7	0.436	0.090	0.273	0.614
St2	2022	P3_dot_time	real	pent gMale a7 t8	<0.001	<0.001	<0.001	<0.001
St2	2022	P3_dot_time	real	pent gMale a8 t9	0.029	0.033	0.003	0.234
St2	2022	P3_dot_time	real	pent gFemale a1 t2	0.046	0.025	0.016	0.130
St2	2022	P3_dot_time	real	pent gFemale a2 t3	0.010	0.012	0.001	0.098
St2	2022	P3_dot_time	real	pent gFemale a3 t4	0.361	0.071	0.236	0.508
St2	2022	P3_dot_time	real	pent gFemale a4 t5	<0.001	<0.001	<0.001	<0.001
St2	2022	P3_dot_time	real	pent gFemale a5 t6	0.027	0.017	0.008	0.088
St2	2022	P3_dot_time	real	pent gFemale a6 t7	0.436	0.090	0.273	0.614
St2	2022	P3_dot_time	real	pent gFemale a7 t8	<0.001	<0.001	<0.001	<0.001
St2	2022	P3_dot_time	real	pent gFemale a8 t9	0.029	0.033	0.003	0.234
St2	2022	P4_time_time	real	Phi gMale a0 t1	0.825	0.429	0.014	0.999
St2	2022	P4_time_time	real	Phi gMale a1 t2	0.223	0.127	0.063	0.548
St2	2022	P4_time_time	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St2	2022	P4_time_time	real	Phi gMale a3 t4	0.422	0.119	0.219	0.654
St2	2022	P4_time_time	real	Phi gMale a4 t5	0.403	0.109	0.218	0.622
St2	2022	P4_time_time	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St2	2022	P4_time_time	real	Phi gMale a6 t7	0.951	0.430	<0.001	1
St2	2022	P4_time_time	real	Phi gMale a7 t8	0.197	0.092	0.073	0.435
St2	2022	P4_time_time	real	p gMale a0 t1	1.000	<0.001	<0.001	1
St2	2022	P4_time_time	real	p gMale a1 t2	0.396	0.233	0.088	0.816
St2	2022	P4_time_time	real	p gMale a2 t3	1	<0.001	1	1
St2	2022	P4_time_time	real	p gMale a3 t4	1	<0.001	1	1
St2	2022	P4_time_time	real	p gMale a4 t5	0.797	0.175	0.320	0.970
St2	2022	P4_time_time	real	p gMale a5 t6	1	<0.001	1	1
St2	2022	P4_time_time	real	p gMale a6 t7	1.000	0.007	<0.001	1
St2	2022	P4_time_time	real	p gMale a7 t8	0.378	0.198	0.104	0.760
St2	2022	P4_time_time	real	p gMale a8 t9	1	<0.001	1	1
St2	2022	P4_time_time	real	N gMale a0 t1	64.356	8.867	56.421	98.304
St2	2022	P4_time_time	real	N gFemale a0 t1	61.955	8.567	54.314	94.827
St2	2022	P4_time_time	real	pent gMale a1 t2	0.095	0.063	0.025	0.304
St2	2022	P4_time_time	real	pent gMale a2 t3	0.011	0.019	<0.001	0.244
St2	2022	P4_time_time	real	pent gMale a3 t4	0.214	0.046	0.137	0.318
St2	2022	P4_time_time	real	pent gMale a4 t5	0.109	0.040	0.052	0.214
St2	2022	P4_time_time	real	pent gMale a5 t6	0.039	0.022	0.012	0.116
St2	2022	P4_time_time	real	pent gMale a6 t7	0.166	0.040	0.102	0.259
St2	2022	P4_time_time	real	pent gMale a7 t8	0.219	0.107	0.076	0.488
St2	2022	P4_time_time	real	pent gMale a8 t9	0.021	0.030	0.001	0.277
St2	2022	P4_time_time	real	pent gFemale a1 t2	0.095	0.063	0.025	0.304
St2	2022	P4_time_time	real	pent gFemale a2 t3	0.011	0.019	<0.001	0.244
St2	2022	P4_time_time	real	pent gFemale a3 t4	0.214	0.046	0.137	0.318
St2	2022	P4_time_time	real	pent gFemale a4 t5	0.109	0.040	0.052	0.214
St2	2022	P4_time_time	real	pent gFemale a5 t6	0.039	0.022	0.012	0.116
St2	2022	P4_time_time	real	pent gFemale a6 t7	0.166	0.040	0.102	0.259
St2	2022	P4_time_time	real	pent gFemale a7 t8	0.219	0.107	0.076	0.488
St2	2022	P4_time_time	real	pent gFemale a8 t9	0.021	0.030	0.001	0.277
St2	2022	P5_sex_dot	real	Phi gMale a0 t1	0.383	0.071	0.256	0.529
St2	2022	P5_sex_dot	real	Phi gFemale a0 t1	0.426	0.069	0.298	0.564
St2	2022	P5_sex_dot	real	p gMale a0 t1	0.665	0.110	0.431	0.839
St2	2022	P5_sex_dot	real	N gMale a0 t1	70.837	9.219	60.171	99.937

St2	2022	P5_sex_dot	real	N gFemale a0 t1	67.163	8.476	57.457	94.135
St2	2022	P5_sex_dot	real	pent gMale a1 t2	0.031	0.026	0.006	0.148
St2	2022	P5_sex_dot	real	pent gMale a2 t3	0.025	0.019	0.006	0.105
St2	2022	P5_sex_dot	real	pent gMale a3 t4	0.287	0.051	0.198	0.398
St2	2022	P5_sex_dot	real	pent gMale a4 t5	0.080	0.038	0.031	0.192
St2	2022	P5_sex_dot	real	pent gMale a5 t6	0.049	0.027	0.016	0.137
St2	2022	P5_sex_dot	real	pent gMale a6 t7	0.218	0.046	0.141	0.321
St2	2022	P5_sex_dot	real	pent gMale a7 t8	0.088	0.036	0.039	0.190
St2	2022	P5_sex_dot	real	pent gMale a8 t9	0.048	0.027	0.016	0.136
St2	2022	P5_sex_dot	real	pent gFemale a1 t2	0.031	0.026	0.006	0.148
St2	2022	P5_sex_dot	real	pent gFemale a2 t3	0.025	0.019	0.006	0.105
St2	2022	P5_sex_dot	real	pent gFemale a3 t4	0.287	0.051	0.198	0.398
St2	2022	P5_sex_dot	real	pent gFemale a4 t5	0.080	0.038	0.031	0.192
St2	2022	P5_sex_dot	real	pent gFemale a5 t6	0.049	0.027	0.016	0.137
St2	2022	P5_sex_dot	real	pent gFemale a6 t7	0.218	0.046	0.141	0.321
St2	2022	P5_sex_dot	real	pent gFemale a7 t8	0.088	0.036	0.039	0.190
St2	2022	P5_sex_dot	real	pent gFemale a8 t9	0.048	0.027	0.016	0.136
St2	2022	P6_dot_sex	real	Phi gMale a0 t1	0.394	0.056	0.292	0.506
St2	2022	P6_dot_sex	real	p gMale a0 t1	0.774	0.187	0.296	0.966
St2	2022	P6_dot_sex	real	p gFemale a0 t1	0.628	0.120	0.381	0.822
St2	2022	P6_dot_sex	real	N gMale a0 t1	63.366	10.720	55.558	110.292
St2	2022	P6_dot_sex	real	N gFemale a0 t1	70.889	10.800	58.660	105.569
St2	2022	P6_dot_sex	real	pent gMale a1 t2	0.034	0.025	0.008	0.136
St2	2022	P6_dot_sex	real	pent gMale a2 t3	0.026	0.018	0.006	0.100
St2	2022	P6_dot_sex	real	pent gMale a3 t4	0.282	0.051	0.193	0.390
St2	2022	P6_dot_sex	real	pent gMale a4 t5	0.084	0.037	0.035	0.191
St2	2022	P6_dot_sex	real	pent gMale a5 t6	0.050	0.026	0.018	0.134
St2	2022	P6_dot_sex	real	pent gMale a6 t7	0.214	0.045	0.139	0.316
St2	2022	P6_dot_sex	real	pent gMale a7 t8	0.091	0.035	0.042	0.188
St2	2022	P6_dot_sex	real	pent gMale a8 t9	0.050	0.026	0.018	0.132
St2	2022	P6_dot_sex	real	pent gFemale a1 t2	0.034	0.025	0.008	0.136
St2	2022	P6_dot_sex	real	pent gFemale a2 t3	0.026	0.018	0.006	0.100
St2	2022	P6_dot_sex	real	pent gFemale a3 t4	0.282	0.051	0.193	0.390
St2	2022	P6_dot_sex	real	pent gFemale a4 t5	0.084	0.037	0.035	0.191
St2	2022	P6_dot_sex	real	pent gFemale a5 t6	0.050	0.026	0.018	0.134
St2	2022	P6_dot_sex	real	pent gFemale a6 t7	0.214	0.045	0.139	0.316
St2	2022	P6_dot_sex	real	pent gFemale a7 t8	0.091	0.035	0.042	0.188
St2	2022	P6_dot_sex	real	pent gFemale a8 t9	0.050	0.026	0.018	0.132
St2	2022	P7_sex_sex	real	Phi gMale a0 t1	0.337	0.071	0.214	0.486
St2	2022	P7_sex_sex	real	Phi gFemale a0 t1	0.438	0.072	0.306	0.580
St2	2022	P7_sex_sex	real	p gMale a0 t1	0.855	0.173	0.278	0.989
St2	2022	P7_sex_sex	real	p gFemale a0 t1	0.600	0.124	0.353	0.805
St2	2022	P7_sex_sex	real	N gMale a0 t1	59.715	8.766	54.662	103.350
St2	2022	P7_sex_sex	real	N gFemale a0 t1	71.855	11.122	59.132	107.276
St2	2022	P7_sex_sex	real	pent gMale a1 t2	0.037	0.024	0.010	0.123
St2	2022	P7_sex_sex	real	pent gMale a2 t3	0.027	0.018	0.007	0.097
St2	2022	P7_sex_sex	real	pent gMale a3 t4	0.277	0.049	0.193	0.382
St2	2022	P7_sex_sex	real	pent gMale a4 t5	0.088	0.035	0.040	0.185
St2	2022	P7_sex_sex	real	pent gMale a5 t6	0.051	0.026	0.018	0.132
St2	2022	P7_sex_sex	real	pent gMale a6 t7	0.211	0.044	0.137	0.310
St2	2022	P7_sex_sex	real	pent gMale a7 t8	0.094	0.034	0.045	0.185
St2	2022	P7_sex_sex	real	pent gMale a8 t9	0.050	0.025	0.018	0.130
St2	2022	P7_sex_sex	real	pent gFemale a1 t2	0.037	0.024	0.010	0.123
St2	2022	P7_sex_sex	real	pent gFemale a2 t3	0.027	0.018	0.007	0.097
St2	2022	P7_sex_sex	real	pent gFemale a3 t4	0.277	0.049	0.193	0.382
St2	2022	P7_sex_sex	real	pent gFemale a4 t5	0.088	0.035	0.040	0.185
St2	2022	P7_sex_sex	real	pent gFemale a5 t6	0.051	0.026	0.018	0.132
St2	2022	P7_sex_sex	real	pent gFemale a6 t7	0.211	0.044	0.137	0.310
St2	2022	P7_sex_sex	real	pent gFemale a7 t8	0.094	0.034	0.045	0.185

St2	2022	P7_sex_sex	real	pent gFemale a8 t9	0.050	0.025	0.018	0.130
St2	2022	P8_timeSex_timeSex	real	Phi gMale a0 t1	0.609	0.311	0.108	0.953
St2	2022	P8_timeSex_timeSex	real	Phi gMale a1 t2	0.344	0.283	0.043	0.859
St2	2022	P8_timeSex_timeSex	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St2	2022	P8_timeSex_timeSex	real	Phi gMale a3 t4	0.296	0.130	0.110	0.588
St2	2022	P8_timeSex_timeSex	real	Phi gMale a4 t5	0.440	0.213	0.126	0.811
St2	2022	P8_timeSex_timeSex	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St2	2022	P8_timeSex_timeSex	real	Phi gMale a6 t7	0.589	0.264	0.145	0.924
St2	2022	P8_timeSex_timeSex	real	Phi gMale a7 t8	0.351	0.255	0.057	0.829
St2	2022	P8_timeSex_timeSex	real	Phi gFemale a0 t1	0.826	0.195	0.248	0.986
St2	2022	P8_timeSex_timeSex	real	Phi gFemale a1 t2	0.616	0.386	0.062	0.975
St2	2022	P8_timeSex_timeSex	real	Phi gFemale a2 t3	<0.001	<0.001	<0.001	<0.001
St2	2022	P8_timeSex_timeSex	real	Phi gFemale a3 t4	0.562	0.202	0.204	0.865
St2	2022	P8_timeSex_timeSex	real	Phi gFemale a4 t5	0.706	0.284	0.141	0.972
St2	2022	P8_timeSex_timeSex	real	Phi gFemale a5 t6	<0.001	<0.001	<0.001	<0.001
St2	2022	P8_timeSex_timeSex	real	Phi gFemale a6 t7	0.814	0.170	0.325	0.975
St2	2022	P8_timeSex_timeSex	real	Phi gFemale a7 t8	0.623	0.369	0.070	0.973
St2	2022	P8_timeSex_timeSex	real	p gMale a0 t1	0.936	0.135	0.150	0.999
St2	2022	P8_timeSex_timeSex	real	p gMale a1 t2	0.687	0.350	0.083	0.982
St2	2022	P8_timeSex_timeSex	real	p gMale a2 t3	0.741	0.384	0.054	0.993
St2	2022	P8_timeSex_timeSex	real	p gMale a3 t4	1.000	0.001	<0.001	1
St2	2022	P8_timeSex_timeSex	real	p gMale a4 t5	0.925	0.110	0.352	0.996
St2	2022	P8_timeSex_timeSex	real	p gMale a5 t6	0.885	0.187	0.173	0.996
St2	2022	P8_timeSex_timeSex	real	p gMale a6 t7	0.995	0.089	<0.001	1
St2	2022	P8_timeSex_timeSex	real	p gMale a7 t8	0.770	0.318	0.091	0.991
St2	2022	P8_timeSex_timeSex	real	p gMale a8 t9	0.757	0.357	0.065	0.993
St2	2022	P8_timeSex_timeSex	real	p gFemale a0 t1	0.721	0.405	0.048	0.993
St2	2022	P8_timeSex_timeSex	real	p gFemale a1 t2	0.280	0.172	0.068	0.673
St2	2022	P8_timeSex_timeSex	real	p gFemale a2 t3	0.336	0.329	0.028	0.901
St2	2022	P8_timeSex_timeSex	real	p gFemale a3 t4	1.000	0.006	<0.001	1
St2	2022	P8_timeSex_timeSex	real	p gFemale a4 t5	0.687	0.238	0.200	0.951
St2	2022	P8_timeSex_timeSex	real	p gFemale a5 t6	0.577	0.355	0.073	0.959
St2	2022	P8_timeSex_timeSex	real	p gFemale a6 t7	0.975	0.497	<0.001	1
St2	2022	P8_timeSex_timeSex	real	p gFemale a7 t8	0.372	0.156	0.138	0.686
St2	2022	P8_timeSex_timeSex	real	p gFemale a8 t9	0.356	0.284	0.046	0.863
St2	2022	P8_timeSex_timeSex	real	N gMale a0 t1	58.065	7.023	54.406	94.733
St2	2022	P8_timeSex_timeSex	real	N gFemale a0 t1	67.758	10.792	56.673	105.136
St2	2022	P8_timeSex_timeSex	real	pent gMale a1 t2	0.063	0.046	0.014	0.238
St2	2022	P8_timeSex_timeSex	real	pent gMale a2 t3	0.029	0.029	0.004	0.179
St2	2022	P8_timeSex_timeSex	real	pent gMale a3 t4	0.215	0.043	0.142	0.312
St2	2022	P8_timeSex_timeSex	real	pent gMale a4 t5	0.109	0.036	0.056	0.203
St2	2022	P8_timeSex_timeSex	real	pent gMale a5 t6	0.053	0.030	0.017	0.151
St2	2022	P8_timeSex_timeSex	real	pent gMale a6 t7	0.170	0.064	0.077	0.333
St2	2022	P8_timeSex_timeSex	real	pent gMale a7 t8	0.153	0.076	0.055	0.362
St2	2022	P8_timeSex_timeSex	real	pent gMale a8 t9	0.055	0.040	0.013	0.208
St2	2022	P8_timeSex_timeSex	real	pent gFemale a1 t2	0.063	0.046	0.014	0.238
St2	2022	P8_timeSex_timeSex	real	pent gFemale a2 t3	0.029	0.029	0.004	0.179
St2	2022	P8_timeSex_timeSex	real	pent gFemale a3 t4	0.215	0.043	0.142	0.312
St2	2022	P8_timeSex_timeSex	real	pent gFemale a4 t5	0.109	0.036	0.056	0.203
St2	2022	P8_timeSex_timeSex	real	pent gFemale a5 t6	0.053	0.030	0.017	0.151
St2	2022	P8_timeSex_timeSex	real	pent gFemale a6 t7	0.170	0.064	0.077	0.333
St2	2022	P8_timeSex_timeSex	real	pent gFemale a7 t8	0.153	0.076	0.055	0.362
St2	2022	P8_timeSex_timeSex	real	pent gFemale a8 t9	0.055	0.040	0.013	0.208
St2	2024	P1_dot_dot	real	Phi gMale a0 t1	0.468	0.082	0.315	0.627
St2	2024	P1_dot_dot	real	p gMale a0 t1	0.423	0.121	0.217	0.660
St2	2024	P1_dot_dot	real	N gMale a0 t1	70.162	14.773	52.154	114.849
St2	2024	P1_dot_dot	real	N gFemale a0 t1	64.862	13.802	48.123	106.788
St2	2024	P1_dot_dot	real	pent gMale a1 t2	0.005	0.037	<0.001	1.000
St2	2024	P1_dot_dot	real	pent gMale a2 t3	0.038	0.031	0.008	0.171

St2	2024	P1_dot_dot	real	pent gMale a3 t4	0.333	0.077	0.202	0.497
St2	2024	P1_dot_dot	real	pent gMale a4 t5	0.028	0.059	<0.001	0.664
St2	2024	P1_dot_dot	real	pent gMale a5 t6	0.037	0.037	0.005	0.232
St2	2024	P1_dot_dot	real	pent gMale a6 t7	0.225	0.064	0.123	0.373
St2	2024	P1_dot_dot	real	pent gMale a7 t8	0.126	0.059	0.048	0.292
St2	2024	P1_dot_dot	real	pent gMale a8 t9	0.035	0.043	0.003	0.313
St2	2024	P1_dot_dot	real	pent gFemale a1 t2	0.005	0.037	<0.001	1.000
St2	2024	P1_dot_dot	real	pent gFemale a2 t3	0.038	0.031	0.008	0.171
St2	2024	P1_dot_dot	real	pent gFemale a3 t4	0.333	0.077	0.202	0.497
St2	2024	P1_dot_dot	real	pent gFemale a4 t5	0.028	0.059	<0.001	0.664
St2	2024	P1_dot_dot	real	pent gFemale a5 t6	0.037	0.037	0.005	0.232
St2	2024	P1_dot_dot	real	pent gFemale a6 t7	0.225	0.064	0.123	0.373
St2	2024	P1_dot_dot	real	pent gFemale a7 t8	0.126	0.059	0.048	0.292
St2	2024	P1_dot_dot	real	pent gFemale a8 t9	0.035	0.043	0.003	0.313
St2	2024	P2_time_dot	real	Phi gMale a0 t1	0.511	0.206	0.171	0.841
St2	2024	P2_time_dot	real	Phi gMale a1 t2	1.000	0.003	<0.001	1
St2	2024	P2_time_dot	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St2	2024	P2_time_dot	real	Phi gMale a3 t4	0.669	0.187	0.279	0.914
St2	2024	P2_time_dot	real	Phi gMale a4 t5	0.579	0.301	0.109	0.939
St2	2024	P2_time_dot	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St2	2024	P2_time_dot	real	Phi gMale a6 t7	0.863	0.323	0.029	0.999
St2	2024	P2_time_dot	real	Phi gMale a7 t8	0.749	0.242	0.193	0.974
St2	2024	P2_time_dot	real	p gMale a0 t1	0.339	0.083	0.199	0.515
St2	2024	P2_time_dot	real	N gMale a0 t1	71.180	12.175	54.901	105.245
St2	2024	P2_time_dot	real	N gFemale a0 t1	65.804	11.436	50.608	97.970
St2	2024	P2_time_dot	real	pent gMale a1 t2	<0.001	<0.001	<0.001	1
St2	2024	P2_time_dot	real	pent gMale a2 t3	0.017	0.042	<0.001	0.706
St2	2024	P2_time_dot	real	pent gMale a3 t4	0.401	0.082	0.256	0.565
St2	2024	P2_time_dot	real	pent gMale a4 t5	<0.001	<0.001	<0.001	<0.001
St2	2024	P2_time_dot	real	pent gMale a5 t6	0.017	0.061	<0.001	0.958
St2	2024	P2_time_dot	real	pent gMale a6 t7	0.301	0.093	0.154	0.505
St2	2024	P2_time_dot	real	pent gMale a7 t8	0.057	0.107	0.001	0.751
St2	2024	P2_time_dot	real	pent gMale a8 t9	<0.001	<0.001	<0.001	<0.001
St2	2024	P2_time_dot	real	pent gFemale a1 t2	<0.001	<0.001	<0.001	1
St2	2024	P2_time_dot	real	pent gFemale a2 t3	0.017	0.042	<0.001	0.706
St2	2024	P2_time_dot	real	pent gFemale a3 t4	0.401	0.082	0.256	0.565
St2	2024	P2_time_dot	real	pent gFemale a4 t5	<0.001	<0.001	<0.001	<0.001
St2	2024	P2_time_dot	real	pent gFemale a5 t6	0.017	0.061	<0.001	0.958
St2	2024	P2_time_dot	real	pent gFemale a6 t7	0.301	0.093	0.154	0.505
St2	2024	P2_time_dot	real	pent gFemale a7 t8	0.057	0.107	0.001	0.751
St2	2024	P2_time_dot	real	pent gFemale a8 t9	<0.001	<0.001	<0.001	<0.001
St2	2024	P3_dot_time	real	Phi gMale a0 t1	0.426	0.074	0.291	0.573
St2	2024	P3_dot_time	real	p gMale a0 t1	1.000	0.016	<0.001	1
St2	2024	P3_dot_time	real	p gMale a1 t2	0.468	0.272	0.094	0.882
St2	2024	P3_dot_time	real	p gMale a2 t3	1	<0.001	1	1
St2	2024	P3_dot_time	real	p gMale a3 t4	0.285	0.123	0.109	0.565
St2	2024	P3_dot_time	real	p gMale a4 t5	0.352	0.163	0.118	0.688
St2	2024	P3_dot_time	real	p gMale a5 t6	0.584	0.293	0.116	0.937
St2	2024	P3_dot_time	real	p gMale a6 t7	0.161	0.058	0.076	0.309
St2	2024	P3_dot_time	real	p gMale a7 t8	0.366	0.122	0.171	0.618
St2	2024	P3_dot_time	real	p gMale a8 t9	0.675	0.296	0.129	0.967
St2	2024	P3_dot_time	real	N gMale a0 t1	88.043	19.137	62.645	141.930
St2	2024	P3_dot_time	real	N gFemale a0 t1	81.402	17.912	57.744	132.043
St2	2024	P3_dot_time	real	pent gMale a1 t2	0.038	0.031	0.007	0.174
St2	2024	P3_dot_time	real	pent gMale a2 t3	0.009	0.015	<0.001	0.189
St2	2024	P3_dot_time	real	pent gMale a3 t4	0.403	0.122	0.201	0.646
St2	2024	P3_dot_time	real	pent gMale a4 t5	<0.001	<0.001	<0.001	<0.001
St2	2024	P3_dot_time	real	pent gMale a5 t6	0.006	0.037	<0.001	0.998
St2	2024	P3_dot_time	real	pent gMale a6 t7	0.484	0.101	0.298	0.675

St2	2024	P3_dot_time	real	pent gMale a7 t8	<0.001	<0.001	<0.001	<0.001
St2	2024	P3_dot_time	real	pent gMale a8 t9	<0.001	<0.001	<0.001	<0.001
St2	2024	P3_dot_time	real	pent gFemale a1 t2	0.038	0.031	0.007	0.174
St2	2024	P3_dot_time	real	pent gFemale a2 t3	0.009	0.015	<0.001	0.189
St2	2024	P3_dot_time	real	pent gFemale a3 t4	0.403	0.122	0.201	0.646
St2	2024	P3_dot_time	real	pent gFemale a4 t5	<0.001	<0.001	<0.001	<0.001
St2	2024	P3_dot_time	real	pent gFemale a5 t6	0.006	0.037	<0.001	0.998
St2	2024	P3_dot_time	real	pent gFemale a6 t7	0.484	0.101	0.298	0.675
St2	2024	P3_dot_time	real	pent gFemale a7 t8	<0.001	<0.001	<0.001	<0.001
St2	2024	P3_dot_time	real	pent gFemale a8 t9	<0.001	<0.001	<0.001	<0.001
St2	2024	P4_time_time	real	Phi gMale a0 t1	0.442	0.273	0.083	0.874
St2	2024	P4_time_time	real	Phi gMale a1 t2	0.406	0.217	0.105	0.800
St2	2024	P4_time_time	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St2	2024	P4_time_time	real	Phi gMale a3 t4	1	<0.001	1	1
St2	2024	P4_time_time	real	Phi gMale a4 t5	0.153	0.061	0.067	0.312
St2	2024	P4_time_time	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St2	2024	P4_time_time	real	Phi gMale a6 t7	1.000	<0.001	1.000	1.000
St2	2024	P4_time_time	real	Phi gMale a7 t8	0.223	0.436	0.002	0.976
St2	2024	P4_time_time	real	p gMale a0 t1	1.000	0.015	<0.001	1
St2	2024	P4_time_time	real	p gMale a1 t2	0.460	0.325	0.062	0.917
St2	2024	P4_time_time	real	p gMale a2 t3	1	<0.001	1.000	1.000
St2	2024	P4_time_time	real	p gMale a3 t4	0.999	1.064	<0.001	1
St2	2024	P4_time_time	real	p gMale a4 t5	0.211	0.074	0.100	0.390
St2	2024	P4_time_time	real	p gMale a5 t6	1.000	0.016	<0.001	1
St2	2024	P4_time_time	real	p gMale a6 t7	0.995	1.779	<0.001	1
St2	2024	P4_time_time	real	p gMale a7 t8	0.283	0.088	0.144	0.480
St2	2024	P4_time_time	real	p gMale a8 t9	0.996	1.922	<0.001	1
St2	2024	P4_time_time	real	N gMale a0 t1	62.260	9.723	49.813	90.493
St2	2024	P4_time_time	real	N gFemale a0 t1	57.553	9.131	45.945	84.222
St2	2024	P4_time_time	real	pent gMale a1 t2	0.054	0.047	0.009	0.261
St2	2024	P4_time_time	real	pent gMale a2 t3	0.013	0.022	0.001	0.258
St2	2024	P4_time_time	real	pent gMale a3 t4	0.167	0.183	0.015	0.725
St2	2024	P4_time_time	real	pent gMale a4 t5	0.269	0.198	0.049	0.725
St2	2024	P4_time_time	real	pent gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St2	2024	P4_time_time	real	pent gMale a6 t7	0.117	0.213	0.002	0.882
St2	2024	P4_time_time	real	pent gMale a7 t8	0.296	0.225	0.048	0.777
St2	2024	P4_time_time	real	pent gMale a8 t9	<0.001	<0.001	<0.001	<0.001
St2	2024	P4_time_time	real	pent gFemale a1 t2	0.054	0.047	0.009	0.261
St2	2024	P4_time_time	real	pent gFemale a2 t3	0.013	0.022	0.001	0.258
St2	2024	P4_time_time	real	pent gFemale a3 t4	0.167	0.183	0.015	0.725
St2	2024	P4_time_time	real	pent gFemale a4 t5	0.269	0.198	0.049	0.725
St2	2024	P4_time_time	real	pent gFemale a5 t6	<0.001	<0.001	<0.001	<0.001
St2	2024	P4_time_time	real	pent gFemale a6 t7	0.117	0.213	0.002	0.882
St2	2024	P4_time_time	real	pent gFemale a7 t8	0.296	0.225	0.048	0.777
St2	2024	P4_time_time	real	pent gFemale a8 t9	<0.001	<0.001	<0.001	<0.001
St2	2024	P5_sex_dot	real	Phi gMale a0 t1	0.443	0.104	0.259	0.645
St2	2024	P5_sex_dot	real	Phi gFemale a0 t1	0.487	0.096	0.308	0.669
St2	2024	P5_sex_dot	real	p gMale a0 t1	0.427	0.122	0.219	0.664
St2	2024	P5_sex_dot	real	N gMale a0 t1	70.887	15.308	52.327	117.393
St2	2024	P5_sex_dot	real	N gFemale a0 t1	63.584	13.609	47.327	105.437
St2	2024	P5_sex_dot	real	pent gMale a1 t2	0.005	0.037	<0.001	1.000
St2	2024	P5_sex_dot	real	pent gMale a2 t3	0.039	0.031	0.008	0.169
St2	2024	P5_sex_dot	real	pent gMale a3 t4	0.331	0.076	0.201	0.494
St2	2024	P5_sex_dot	real	pent gMale a4 t5	0.030	0.058	0.001	0.607
St2	2024	P5_sex_dot	real	pent gMale a5 t6	0.037	0.037	0.005	0.229
St2	2024	P5_sex_dot	real	pent gMale a6 t7	0.223	0.064	0.123	0.371
St2	2024	P5_sex_dot	real	pent gMale a7 t8	0.126	0.059	0.048	0.290
St2	2024	P5_sex_dot	real	pent gMale a8 t9	0.036	0.043	0.003	0.298
St2	2024	P5_sex_dot	real	pent gFemale a1 t2	0.005	0.037	<0.001	1.000

St2	2024	P5_sex_dot	real	pent gFemale a2 t3	0.039	0.031	0.008	0.169
St2	2024	P5_sex_dot	real	pent gFemale a3 t4	0.331	0.076	0.201	0.494
St2	2024	P5_sex_dot	real	pent gFemale a4 t5	0.030	0.058	0.001	0.607
St2	2024	P5_sex_dot	real	pent gFemale a5 t6	0.037	0.037	0.005	0.229
St2	2024	P5_sex_dot	real	pent gFemale a6 t7	0.223	0.064	0.123	0.371
St2	2024	P5_sex_dot	real	pent gFemale a7 t8	0.126	0.059	0.048	0.290
St2	2024	P5_sex_dot	real	pent gFemale a8 t9	0.036	0.043	0.003	0.298
St2	2024	P6_dot_sex	real	Phi gMale a0 t1	0.465	0.083	0.311	0.626
St2	2024	P6_dot_sex	real	p gMale a0 t1	0.449	0.169	0.176	0.756
St2	2024	P6_dot_sex	real	p gFemale a0 t1	0.409	0.134	0.189	0.672
St2	2024	P6_dot_sex	real	N gMale a0 t1	67.246	18.259	48.258	129.896
St2	2024	P6_dot_sex	real	N gFemale a0 t1	66.793	16.879	47.593	120.796
St2	2024	P6_dot_sex	real	pent gMale a1 t2	0.005	0.037	<0.001	1.000
St2	2024	P6_dot_sex	real	pent gMale a2 t3	0.039	0.031	0.008	0.169
St2	2024	P6_dot_sex	real	pent gMale a3 t4	0.331	0.077	0.200	0.495
St2	2024	P6_dot_sex	real	pent gMale a4 t5	0.030	0.059	0.001	0.617
St2	2024	P6_dot_sex	real	pent gMale a5 t6	0.037	0.037	0.005	0.228
St2	2024	P6_dot_sex	real	pent gMale a6 t7	0.223	0.064	0.123	0.371
St2	2024	P6_dot_sex	real	pent gMale a7 t8	0.126	0.059	0.048	0.290
St2	2024	P6_dot_sex	real	pent gMale a8 t9	0.036	0.043	0.003	0.301
St2	2024	P6_dot_sex	real	pent gFemale a1 t2	0.005	0.037	<0.001	1.000
St2	2024	P6_dot_sex	real	pent gFemale a2 t3	0.039	0.031	0.008	0.169
St2	2024	P6_dot_sex	real	pent gFemale a3 t4	0.331	0.077	0.200	0.495
St2	2024	P6_dot_sex	real	pent gFemale a4 t5	0.030	0.059	0.001	0.617
St2	2024	P6_dot_sex	real	pent gFemale a5 t6	0.037	0.037	0.005	0.228
St2	2024	P6_dot_sex	real	pent gFemale a6 t7	0.223	0.064	0.123	0.371
St2	2024	P6_dot_sex	real	pent gFemale a7 t8	0.126	0.059	0.048	0.290
St2	2024	P6_dot_sex	real	pent gFemale a8 t9	0.036	0.043	0.003	0.301
St2	2024	P7_sex_sex	real	Phi gMale a0 t1	0.418	0.114	0.222	0.644
St2	2024	P7_sex_sex	real	Phi gFemale a0 t1	0.493	0.097	0.312	0.676
St2	2024	P7_sex_sex	real	p gMale a0 t1	0.495	0.200	0.170	0.824
St2	2024	P7_sex_sex	real	p gFemale a0 t1	0.396	0.132	0.181	0.660
St2	2024	P7_sex_sex	real	N gMale a0 t1	64.315	18.300	46.540	130.393
St2	2024	P7_sex_sex	real	N gFemale a0 t1	67.045	16.831	47.791	120.654
St2	2024	P7_sex_sex	real	pent gMale a1 t2	0.005	0.036	<0.001	1.000
St2	2024	P7_sex_sex	real	pent gMale a2 t3	0.040	0.030	0.009	0.161
St2	2024	P7_sex_sex	real	pent gMale a3 t4	0.324	0.076	0.196	0.485
St2	2024	P7_sex_sex	real	pent gMale a4 t5	0.037	0.057	0.002	0.472
St2	2024	P7_sex_sex	real	pent gMale a5 t6	0.037	0.036	0.005	0.215
St2	2024	P7_sex_sex	real	pent gMale a6 t7	0.219	0.062	0.120	0.364
St2	2024	P7_sex_sex	real	pent gMale a7 t8	0.126	0.057	0.050	0.283
St2	2024	P7_sex_sex	real	pent gMale a8 t9	0.040	0.042	0.005	0.262
St2	2024	P7_sex_sex	real	pent gFemale a1 t2	0.005	0.036	<0.001	1.000
St2	2024	P7_sex_sex	real	pent gFemale a2 t3	0.040	0.030	0.009	0.161
St2	2024	P7_sex_sex	real	pent gFemale a3 t4	0.324	0.076	0.196	0.485
St2	2024	P7_sex_sex	real	pent gFemale a4 t5	0.037	0.057	0.002	0.472
St2	2024	P7_sex_sex	real	pent gFemale a5 t6	0.037	0.036	0.005	0.215
St2	2024	P7_sex_sex	real	pent gFemale a6 t7	0.219	0.062	0.120	0.364
St2	2024	P7_sex_sex	real	pent gFemale a7 t8	0.126	0.057	0.050	0.283
St2	2024	P7_sex_sex	real	pent gFemale a8 t9	0.040	0.042	0.005	0.262
St2	2024	P8_timeSex_timeSex	real	Phi gMale a0 t1	0.255	0.244	0.027	0.810
St2	2024	P8_timeSex_timeSex	real	Phi gMale a1 t2	1	<0.001	1	1
St2	2024	P8_timeSex_timeSex	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St2	2024	P8_timeSex_timeSex	real	Phi gMale a3 t4	1	<0.001	1	1
St2	2024	P8_timeSex_timeSex	real	Phi gMale a4 t5	0.661	0.654	0.006	0.998
St2	2024	P8_timeSex_timeSex	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St2	2024	P8_timeSex_timeSex	real	Phi gMale a6 t7	0.845	0.470	0.005	1.000
St2	2024	P8_timeSex_timeSex	real	Phi gMale a7 t8	0.895	0.676	<0.001	1.000
St2	2024	P8_timeSex_timeSex	real	Phi gFemale a0 t1	0.631	0.417	0.049	0.983

St2	2024	P8_timeSex_timeSex	real	Phi gFemale a1 t2	1	<0.001	1	1
St2	2024	P8_timeSex_timeSex	real	Phi gFemale a2 t3	<0.001	<0.001	<0.001	<0.001
St2	2024	P8_timeSex_timeSex	real	Phi gFemale a3 t4	1	<0.001	1	1
St2	2024	P8_timeSex_timeSex	real	Phi gFemale a4 t5	0.907	0.312	0.007	1.000
St2	2024	P8_timeSex_timeSex	real	Phi gFemale a5 t6	<0.001	<0.001	<0.001	<0.001
St2	2024	P8_timeSex_timeSex	real	Phi gFemale a6 t7	0.965	0.134	0.013	1.000
St2	2024	P8_timeSex_timeSex	real	Phi gFemale a7 t8	0.977	0.168	<0.001	1
St2	2024	P8_timeSex_timeSex	real	p gMale a0 t1	0.728	0.609	0.006	0.999
St2	2024	P8_timeSex_timeSex	real	p gMale a1 t2	0.558	0.344	0.076	0.951
St2	2024	P8_timeSex_timeSex	real	p gMale a2 t3	0.463	0.236	0.118	0.847
St2	2024	P8_timeSex_timeSex	real	p gMale a3 t4	1	<0.001	1	1
St2	2024	P8_timeSex_timeSex	real	p gMale a4 t5	0.242	0.095	0.104	0.467
St2	2024	P8_timeSex_timeSex	real	p gMale a5 t6	0.230	0.188	0.036	0.705
St2	2024	P8_timeSex_timeSex	real	p gMale a6 t7	1.000	0.003	<0.001	1
St2	2024	P8_timeSex_timeSex	real	p gMale a7 t8	0.342	0.147	0.127	0.651
St2	2024	P8_timeSex_timeSex	real	p gMale a8 t9	0.291	0.199	0.059	0.730
St2	2024	P8_timeSex_timeSex	real	p gFemale a0 t1	0.645	0.691	0.005	0.999
St2	2024	P8_timeSex_timeSex	real	p gFemale a1 t2	0.462	0.330	0.060	0.921
St2	2024	P8_timeSex_timeSex	real	p gFemale a2 t3	0.369	0.217	0.086	0.785
St2	2024	P8_timeSex_timeSex	real	p gFemale a3 t4	1	<0.001	1	1
St2	2024	P8_timeSex_timeSex	real	p gFemale a4 t5	0.178	0.079	0.070	0.384
St2	2024	P8_timeSex_timeSex	real	p gFemale a5 t6	0.169	0.126	0.034	0.540
St2	2024	P8_timeSex_timeSex	real	p gFemale a6 t7	1.000	0.005	<0.001	1
St2	2024	P8_timeSex_timeSex	real	p gFemale a7 t8	0.261	0.114	0.100	0.529
St2	2024	P8_timeSex_timeSex	real	p gFemale a8 t9	0.218	0.131	0.059	0.557
St2	2024	P8_timeSex_timeSex	real	N gMale a0 t1	61.627	12.127	47.761	100.266
St2	2024	P8_timeSex_timeSex	real	N gFemale a0 t1	61.279	11.547	47.020	95.833
St2	2024	P8_timeSex_timeSex	real	pent gMale a1 t2	0.029	0.065	<0.001	0.744
St2	2024	P8_timeSex_timeSex	real	pent gMale a2 t3	0.038	0.046	0.003	0.322
St2	2024	P8_timeSex_timeSex	real	pent gMale a3 t4	0.163	0.043	0.095	0.265
St2	2024	P8_timeSex_timeSex	real	pent gMale a4 t5	0.264	0.087	0.130	0.462
St2	2024	P8_timeSex_timeSex	real	pent gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St2	2024	P8_timeSex_timeSex	real	pent gMale a6 t7	0.114	0.034	0.062	0.200
St2	2024	P8_timeSex_timeSex	real	pent gMale a7 t8	0.275	0.086	0.141	0.468
St2	2024	P8_timeSex_timeSex	real	pent gMale a8 t9	<0.001	<0.001	<0.001	<0.001
St2	2024	P8_timeSex_timeSex	real	pent gFemale a1 t2	0.029	0.065	<0.001	0.744
St2	2024	P8_timeSex_timeSex	real	pent gFemale a2 t3	0.038	0.046	0.003	0.322
St2	2024	P8_timeSex_timeSex	real	pent gFemale a3 t4	0.163	0.043	0.095	0.265
St2	2024	P8_timeSex_timeSex	real	pent gFemale a4 t5	0.264	0.087	0.130	0.462
St2	2024	P8_timeSex_timeSex	real	pent gFemale a5 t6	<0.001	<0.001	<0.001	<0.001
St2	2024	P8_timeSex_timeSex	real	pent gFemale a6 t7	0.114	0.034	0.062	0.200
St2	2024	P8_timeSex_timeSex	real	pent gFemale a7 t8	0.275	0.086	0.141	0.468
St2	2024	P8_timeSex_timeSex	real	pent gFemale a8 t9	<0.001	<0.001	<0.001	<0.001
St3	2022	P1_dot_dot	real	Phi gMale a0 t1	0.319	0.052	0.227	0.428
St3	2022	P1_dot_dot	real	p gMale a0 t1	0.491	0.107	0.295	0.690
St3	2022	P1_dot_dot	real	N gMale a0 t1	141.791	24.848	109.559	213.136
St3	2022	P1_dot_dot	real	N gFemale a0 t1	141.791	24.848	109.560	213.136
St3	2022	P1_dot_dot	real	pent gMale a1 t2	0.089	0.030	0.046	0.167
St3	2022	P1_dot_dot	real	pent gMale a2 t3	<0.001	<0.001	<0.001	1
St3	2022	P1_dot_dot	real	pent gMale a3 t4	0.268	0.042	0.195	0.357
St3	2022	P1_dot_dot	real	pent gMale a4 t5	0.106	0.034	0.056	0.192
St3	2022	P1_dot_dot	real	pent gMale a5 t6	0.040	0.023	0.013	0.117
St3	2022	P1_dot_dot	real	pent gMale a6 t7	0.218	0.038	0.152	0.303
St3	2022	P1_dot_dot	real	pent gMale a7 t8	0.049	0.027	0.016	0.139
St3	2022	P1_dot_dot	real	pent gMale a8 t9	0.022	0.017	0.005	0.093
St3	2022	P1_dot_dot	real	pent gFemale a1 t2	0.089	0.030	0.046	0.167
St3	2022	P1_dot_dot	real	pent gFemale a2 t3	<0.001	<0.001	<0.001	1
St3	2022	P1_dot_dot	real	pent gFemale a3 t4	0.268	0.042	0.195	0.357
St3	2022	P1_dot_dot	real	pent gFemale a4 t5	0.106	0.034	0.056	0.192

St3	2022	P1_dot_dot	real	pent gFemale a5 t6	0.040	0.023	0.013	0.117
St3	2022	P1_dot_dot	real	pent gFemale a6 t7	0.218	0.038	0.152	0.303
St3	2022	P1_dot_dot	real	pent gFemale a7 t8	0.049	0.027	0.016	0.139
St3	2022	P1_dot_dot	real	pent gFemale a8 t9	0.022	0.017	0.005	0.093
St3	2022	P2_time_dot	real	Phi gMale a0 t1	0.457	0.192	0.156	0.792
St3	2022	P2_time_dot	real	Phi gMale a1 t2	0.269	0.112	0.107	0.529
St3	2022	P2_time_dot	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St3	2022	P2_time_dot	real	Phi gMale a3 t4	0.547	0.195	0.205	0.850
St3	2022	P2_time_dot	real	Phi gMale a4 t5	0.184	0.108	0.053	0.479
St3	2022	P2_time_dot	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St3	2022	P2_time_dot	real	Phi gMale a6 t7	0.755	0.155	0.374	0.941
St3	2022	P2_time_dot	real	Phi gMale a7 t8	0.419	0.180	0.145	0.755
St3	2022	P2_time_dot	real	p gMale a0 t1	0.393	0.088	0.239	0.572
St3	2022	P2_time_dot	real	N gMale a0 t1	155.678	24.335	121.364	220.683
St3	2022	P2_time_dot	real	N gFemale a0 t1	155.678	24.335	121.364	220.683
St3	2022	P2_time_dot	real	pent gMale a1 t2	0.074	0.044	0.022	0.220
St3	2022	P2_time_dot	real	pent gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St3	2022	P2_time_dot	real	pent gMale a3 t4	0.310	0.056	0.212	0.428
St3	2022	P2_time_dot	real	pent gMale a4 t5	0.068	0.057	0.012	0.299
St3	2022	P2_time_dot	real	pent gMale a5 t6	0.054	0.026	0.020	0.136
St3	2022	P2_time_dot	real	pent gMale a6 t7	0.246	0.038	0.179	0.328
St3	2022	P2_time_dot	real	pent gMale a7 t8	<0.001	<0.001	<0.001	<0.001
St3	2022	P2_time_dot	real	pent gMale a8 t9	0.012	0.025	<0.001	0.417
St3	2022	P2_time_dot	real	pent gFemale a1 t2	0.074	0.044	0.022	0.220
St3	2022	P2_time_dot	real	pent gFemale a2 t3	<0.001	<0.001	<0.001	<0.001
St3	2022	P2_time_dot	real	pent gFemale a3 t4	0.310	0.056	0.212	0.428
St3	2022	P2_time_dot	real	pent gFemale a4 t5	0.068	0.057	0.012	0.299
St3	2022	P2_time_dot	real	pent gFemale a5 t6	0.054	0.026	0.020	0.136
St3	2022	P2_time_dot	real	pent gFemale a6 t7	0.246	0.038	0.179	0.328
St3	2022	P2_time_dot	real	pent gFemale a7 t8	<0.001	<0.001	<0.001	<0.001
St3	2022	P2_time_dot	real	pent gFemale a8 t9	0.012	0.025	<0.001	0.417
St3	2022	P3_dot_time	real	Phi gMale a0 t1	0.332	0.054	0.236	0.445
St3	2022	P3_dot_time	real	p gMale a0 t1	1.000	0.009	<0.001	1
St3	2022	P3_dot_time	real	p gMale a1 t2	0.459	0.145	0.213	0.727
St3	2022	P3_dot_time	real	p gMale a2 t3	0.395	0.207	0.107	0.781
St3	2022	P3_dot_time	real	p gMale a3 t4	0.210	0.070	0.104	0.378
St3	2022	P3_dot_time	real	p gMale a4 t5	0.455	0.165	0.185	0.755
St3	2022	P3_dot_time	real	p gMale a5 t6	0.285	0.167	0.074	0.665
St3	2022	P3_dot_time	real	p gMale a6 t7	0.313	0.087	0.171	0.501
St3	2022	P3_dot_time	real	p gMale a7 t8	0.588	0.160	0.281	0.839
St3	2022	P3_dot_time	real	p gMale a8 t9	0.641	0.271	0.151	0.947
St3	2022	P3_dot_time	real	N gMale a0 t1	180.986	30.898	136.590	262.161
St3	2022	P3_dot_time	real	N gFemale a0 t1	180.986	30.898	136.590	262.161
St3	2022	P3_dot_time	real	pent gMale a1 t2	0.104	0.037	0.050	0.203
St3	2022	P3_dot_time	real	pent gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St3	2022	P3_dot_time	real	pent gMale a3 t4	0.489	0.094	0.314	0.667
St3	2022	P3_dot_time	real	pent gMale a4 t5	<0.001	<0.001	<0.001	<0.001
St3	2022	P3_dot_time	real	pent gMale a5 t6	0.063	0.057	0.010	0.310
St3	2022	P3_dot_time	real	pent gMale a6 t7	0.251	0.071	0.138	0.412
St3	2022	P3_dot_time	real	pent gMale a7 t8	<0.001	<0.001	<0.001	<0.001
St3	2022	P3_dot_time	real	pent gMale a8 t9	0.013	0.014	0.002	0.096
St3	2022	P3_dot_time	real	pent gFemale a1 t2	0.104	0.037	0.050	0.203
St3	2022	P3_dot_time	real	pent gFemale a2 t3	<0.001	<0.001	<0.001	<0.001
St3	2022	P3_dot_time	real	pent gFemale a3 t4	0.489	0.094	0.314	0.667
St3	2022	P3_dot_time	real	pent gFemale a4 t5	<0.001	<0.001	<0.001	<0.001
St3	2022	P3_dot_time	real	pent gFemale a5 t6	0.063	0.057	0.010	0.310
St3	2022	P3_dot_time	real	pent gFemale a6 t7	0.251	0.071	0.138	0.412
St3	2022	P3_dot_time	real	pent gFemale a7 t8	<0.001	<0.001	<0.001	<0.001
St3	2022	P3_dot_time	real	pent gFemale a8 t9	0.013	0.014	0.002	0.096

St3	2022	P4_time_time	real	Phi gMale a0 t1	0.498	<0.001	0.498	0.498
St3	2022	P4_time_time	real	Phi gMale a1 t2	1.000	0.001	<0.001	1
St3	2022	P4_time_time	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St3	2022	P4_time_time	real	Phi gMale a3 t4	1	<0.001	1	1
St3	2022	P4_time_time	real	Phi gMale a4 t5	0.051	0.029	0.017	0.147
St3	2022	P4_time_time	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St3	2022	P4_time_time	real	Phi gMale a6 t7	1.000	0.004	<0.001	1
St3	2022	P4_time_time	real	Phi gMale a7 t8	0.137	0.052	0.063	0.273
St3	2022	P4_time_time	real	p gMale a0 t1	1.000	0.003	<0.001	1
St3	2022	P4_time_time	real	p gMale a1 t2	0.353	0.115	0.169	0.594
St3	2022	P4_time_time	real	p gMale a2 t3	0.096	0.046	0.037	0.230
St3	2022	P4_time_time	real	p gMale a3 t4	1	<0.001	1	1
St3	2022	P4_time_time	real	p gMale a4 t5	0.193	0.064	0.097	0.348
St3	2022	P4_time_time	real	p gMale a5 t6	1.000	<0.001	<0.001	1
St3	2022	P4_time_time	real	p gMale a6 t7	0.960	8.100	<0.001	1
St3	2022	P4_time_time	real	p gMale a7 t8	0.315	0.082	0.180	0.492
St3	2022	P4_time_time	real	p gMale a8 t9	1.000	0.014	<0.001	1
St3	2022	P4_time_time	real	N gMale a0 t1	148.779	23.575	116.280	213.013
St3	2022	P4_time_time	real	N gFemale a0 t1	148.777	23.574	116.279	213.012
St3	2022	P4_time_time	real	pent gMale a1 t2	0.161	0.054	0.080	0.297
St3	2022	P4_time_time	real	pent gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St3	2022	P4_time_time	real	pent gMale a3 t4	0.128	0.027	0.083	0.191
St3	2022	P4_time_time	real	pent gMale a4 t5	0.359	0.097	0.196	0.562
St3	2022	P4_time_time	real	pent gMale a5 t6	0.015	0.016	0.002	0.107
St3	2022	P4_time_time	real	pent gMale a6 t7	0.112	0.946	<0.001	1.000
St3	2022	P4_time_time	real	pent gMale a7 t8	0.122	0.947	<0.001	1.000
St3	2022	P4_time_time	real	pent gMale a8 t9	0.005	0.011	<0.001	0.248
St3	2022	P4_time_time	real	pent gFemale a1 t2	0.161	0.054	0.080	0.297
St3	2022	P4_time_time	real	pent gFemale a2 t3	<0.001	<0.001	<0.001	<0.001
St3	2022	P4_time_time	real	pent gFemale a3 t4	0.128	0.027	0.083	0.191
St3	2022	P4_time_time	real	pent gFemale a4 t5	0.359	0.097	0.196	0.562
St3	2022	P4_time_time	real	pent gFemale a5 t6	0.015	0.016	0.002	0.107
St3	2022	P4_time_time	real	pent gFemale a6 t7	0.112	0.946	<0.001	1.000
St3	2022	P4_time_time	real	pent gFemale a7 t8	0.122	0.947	<0.001	1.000
St3	2022	P4_time_time	real	pent gFemale a8 t9	0.005	0.011	<0.001	0.248
St3	2022	P5_sex_dot	real	Phi gMale a0 t1	0.299	0.062	0.193	0.432
St3	2022	P5_sex_dot	real	Phi gFemale a0 t1	0.342	0.067	0.225	0.481
St3	2022	P5_sex_dot	real	p gMale a0 t1	0.488	0.107	0.292	0.688
St3	2022	P5_sex_dot	real	N gMale a0 t1	144.214	26.321	110.306	220.231
St3	2022	P5_sex_dot	real	N gFemale a0 t1	140.672	24.377	109.052	210.668
St3	2022	P5_sex_dot	real	pent gMale a1 t2	0.089	0.030	0.046	0.167
St3	2022	P5_sex_dot	real	pent gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St3	2022	P5_sex_dot	real	pent gMale a3 t4	0.269	0.042	0.195	0.359
St3	2022	P5_sex_dot	real	pent gMale a4 t5	0.106	0.034	0.056	0.193
St3	2022	P5_sex_dot	real	pent gMale a5 t6	0.039	0.023	0.012	0.118
St3	2022	P5_sex_dot	real	pent gMale a6 t7	0.218	0.038	0.152	0.302
St3	2022	P5_sex_dot	real	pent gMale a7 t8	0.049	0.027	0.016	0.139
St3	2022	P5_sex_dot	real	pent gMale a8 t9	0.021	0.017	0.004	0.095
St3	2022	P5_sex_dot	real	pent gFemale a1 t2	0.089	0.030	0.046	0.167
St3	2022	P5_sex_dot	real	pent gFemale a2 t3	<0.001	<0.001	<0.001	<0.001
St3	2022	P5_sex_dot	real	pent gFemale a3 t4	0.269	0.042	0.195	0.359
St3	2022	P5_sex_dot	real	pent gFemale a4 t5	0.106	0.034	0.056	0.193
St3	2022	P5_sex_dot	real	pent gFemale a5 t6	0.039	0.023	0.012	0.118
St3	2022	P5_sex_dot	real	pent gFemale a6 t7	0.218	0.038	0.152	0.302
St3	2022	P5_sex_dot	real	pent gFemale a7 t8	0.049	0.027	0.016	0.139
St3	2022	P5_sex_dot	real	pent gFemale a8 t9	0.021	0.017	0.004	0.095
St3	2022	P6_dot_sex	real	Phi gMale a0 t1	0.319	0.052	0.227	0.428
St3	2022	P6_dot_sex	real	p gMale a0 t1	0.493	0.134	0.253	0.736
St3	2022	P6_dot_sex	real	p gFemale a0 t1	0.490	0.127	0.262	0.723

St3	2022	P6_dot_sex	real	N gMale a0 t1	141.493	31.358	104.841	239.653
St3	2022	P6_dot_sex	real	N gFemale a0 t1	142.047	29.974	106.101	233.931
St3	2022	P6_dot_sex	real	pent gMale a1 t2	0.089	0.030	0.046	0.167
St3	2022	P6_dot_sex	real	pent gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St3	2022	P6_dot_sex	real	pent gMale a3 t4	0.268	0.042	0.195	0.357
St3	2022	P6_dot_sex	real	pent gMale a4 t5	0.106	0.034	0.056	0.192
St3	2022	P6_dot_sex	real	pent gMale a5 t6	0.040	0.023	0.013	0.117
St3	2022	P6_dot_sex	real	pent gMale a6 t7	0.218	0.038	0.152	0.303
St3	2022	P6_dot_sex	real	pent gMale a7 t8	0.049	0.027	0.016	0.139
St3	2022	P6_dot_sex	real	pent gMale a8 t9	0.022	0.017	0.005	0.094
St3	2022	P6_dot_sex	real	pent gFemale a1 t2	0.089	0.030	0.046	0.167
St3	2022	P6_dot_sex	real	pent gFemale a2 t3	<0.001	<0.001	<0.001	<0.001
St3	2022	P6_dot_sex	real	pent gFemale a3 t4	0.268	0.042	0.195	0.357
St3	2022	P6_dot_sex	real	pent gFemale a4 t5	0.106	0.034	0.056	0.192
St3	2022	P6_dot_sex	real	pent gFemale a5 t6	0.040	0.023	0.013	0.117
St3	2022	P6_dot_sex	real	pent gFemale a6 t7	0.218	0.038	0.152	0.303
St3	2022	P6_dot_sex	real	pent gFemale a7 t8	0.049	0.027	0.016	0.139
St3	2022	P6_dot_sex	real	pent gFemale a8 t9	0.022	0.017	0.005	0.094
St3	2022	P7_sex_sex	real	Phi gMale a0 t1	0.292	0.064	0.183	0.432
St3	2022	P7_sex_sex	real	Phi gFemale a0 t1	0.349	0.071	0.225	0.498
St3	2022	P7_sex_sex	real	p gMale a0 t1	0.519	0.144	0.258	0.770
St3	2022	P7_sex_sex	real	p gFemale a0 t1	0.461	0.131	0.233	0.706
St3	2022	P7_sex_sex	real	N gMale a0 t1	137.566	30.896	102.411	236.389
St3	2022	P7_sex_sex	real	N gFemale a0 t1	146.702	32.108	108.070	244.866
St3	2022	P7_sex_sex	real	pent gMale a1 t2	0.090	0.030	0.046	0.167
St3	2022	P7_sex_sex	real	pent gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St3	2022	P7_sex_sex	real	pent gMale a3 t4	0.269	0.042	0.195	0.359
St3	2022	P7_sex_sex	real	pent gMale a4 t5	0.107	0.034	0.056	0.193
St3	2022	P7_sex_sex	real	pent gMale a5 t6	0.038	0.023	0.012	0.120
St3	2022	P7_sex_sex	real	pent gMale a6 t7	0.217	0.038	0.152	0.302
St3	2022	P7_sex_sex	real	pent gMale a7 t8	0.050	0.027	0.017	0.139
St3	2022	P7_sex_sex	real	pent gMale a8 t9	0.021	0.017	0.004	0.096
St3	2022	P7_sex_sex	real	pent gFemale a1 t2	0.090	0.030	0.046	0.167
St3	2022	P7_sex_sex	real	pent gFemale a2 t3	<0.001	<0.001	<0.001	<0.001
St3	2022	P7_sex_sex	real	pent gFemale a3 t4	0.269	0.042	0.195	0.359
St3	2022	P7_sex_sex	real	pent gFemale a4 t5	0.107	0.034	0.056	0.193
St3	2022	P7_sex_sex	real	pent gFemale a5 t6	0.038	0.023	0.012	0.120
St3	2022	P7_sex_sex	real	pent gFemale a6 t7	0.217	0.038	0.152	0.302
St3	2022	P7_sex_sex	real	pent gFemale a7 t8	0.050	0.027	0.017	0.139
St3	2022	P7_sex_sex	real	pent gFemale a8 t9	0.021	0.017	0.004	0.096
St3	2022	P8_timeSex_timeSex	real	Phi gMale a0 t1	0.341	0.227	0.067	0.789
St3	2022	P8_timeSex_timeSex	real	Phi gMale a1 t2	1	<0.001	1	1
St3	2022	P8_timeSex_timeSex	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St3	2022	P8_timeSex_timeSex	real	Phi gMale a3 t4	0.479	0.298	0.081	0.906
St3	2022	P8_timeSex_timeSex	real	Phi gMale a4 t5	0.213	0.228	0.018	0.796
St3	2022	P8_timeSex_timeSex	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St3	2022	P8_timeSex_timeSex	real	Phi gMale a6 t7	0.586	0.256	0.152	0.918
St3	2022	P8_timeSex_timeSex	real	Phi gMale a7 t8	0.571	0.387	0.057	0.967
St3	2022	P8_timeSex_timeSex	real	Phi gFemale a0 t1	1.000	0.001	<0.001	1
St3	2022	P8_timeSex_timeSex	real	Phi gFemale a1 t2	1	<0.001	1	1
St3	2022	P8_timeSex_timeSex	real	Phi gFemale a2 t3	<0.001	<0.001	<0.001	<0.001
St3	2022	P8_timeSex_timeSex	real	Phi gFemale a3 t4	1.000	<0.001	<0.001	1
St3	2022	P8_timeSex_timeSex	real	Phi gFemale a4 t5	1.000	0.002	<0.001	1
St3	2022	P8_timeSex_timeSex	real	Phi gFemale a5 t6	<0.001	<0.001	<0.001	<0.001
St3	2022	P8_timeSex_timeSex	real	Phi gFemale a6 t7	1.000	<0.001	<0.001	1
St3	2022	P8_timeSex_timeSex	real	Phi gFemale a7 t8	1.000	<0.001	<0.001	1
St3	2022	P8_timeSex_timeSex	real	p gMale a0 t1	0.593	0.231	0.182	0.905
St3	2022	P8_timeSex_timeSex	real	p gMale a1 t2	0.419	0.172	0.153	0.742
St3	2022	P8_timeSex_timeSex	real	p gMale a2 t3	0.128	0.075	0.037	0.355

St3	2022	P8_timeSex_timeSex	real	p gMale a3 t4	0.772	0.212	0.243	0.973
St3	2022	P8_timeSex_timeSex	real	p gMale a4 t5	0.422	0.209	0.119	0.797
St3	2022	P8_timeSex_timeSex	real	p gMale a5 t6	0.241	0.163	0.052	0.645
St3	2022	P8_timeSex_timeSex	real	p gMale a6 t7	1	<0.001	1	1
St3	2022	P8_timeSex_timeSex	real	p gMale a7 t8	0.570	0.190	0.226	0.858
St3	2022	P8_timeSex_timeSex	real	p gMale a8 t9	0.349	0.194	0.091	0.741
St3	2022	P8_timeSex_timeSex	real	p gFemale a0 t1	0.309	0.210	0.061	0.754
St3	2022	P8_timeSex_timeSex	real	p gFemale a1 t2	0.181	0.089	0.064	0.417
St3	2022	P8_timeSex_timeSex	real	p gFemale a2 t3	0.043	0.027	0.012	0.138
St3	2022	P8_timeSex_timeSex	real	p gFemale a3 t4	0.508	0.283	0.101	0.905
St3	2022	P8_timeSex_timeSex	real	p gFemale a4 t5	0.183	0.071	0.081	0.363
St3	2022	P8_timeSex_timeSex	real	p gFemale a5 t6	0.088	0.041	0.034	0.209
St3	2022	P8_timeSex_timeSex	real	p gFemale a6 t7	1	<0.001	1	1
St3	2022	P8_timeSex_timeSex	real	p gFemale a7 t8	0.289	0.095	0.141	0.502
St3	2022	P8_timeSex_timeSex	real	p gFemale a8 t9	0.141	0.064	0.055	0.315
St3	2022	P8_timeSex_timeSex	real	N gMale a0 t1	131.911	30.083	99.116	231.444
St3	2022	P8_timeSex_timeSex	real	N gFemale a0 t1	189.518	38.446	136.647	294.496
St3	2022	P8_timeSex_timeSex	real	pent gMale a1 t2	0.123	0.062	0.044	0.301
St3	2022	P8_timeSex_timeSex	real	pent gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St3	2022	P8_timeSex_timeSex	real	pent gMale a3 t4	0.194	0.081	0.080	0.400
St3	2022	P8_timeSex_timeSex	real	pent gMale a4 t5	0.182	0.098	0.058	0.447
St3	2022	P8_timeSex_timeSex	real	pent gMale a5 t6	0.076	0.073	0.011	0.384
St3	2022	P8_timeSex_timeSex	real	pent gMale a6 t7	0.100	0.024	0.061	0.158
St3	2022	P8_timeSex_timeSex	real	pent gMale a7 t8	0.094	0.037	0.042	0.195
St3	2022	P8_timeSex_timeSex	real	pent gMale a8 t9	0.025	0.038	0.001	0.350
St3	2022	P8_timeSex_timeSex	real	pent gFemale a1 t2	0.123	0.062	0.044	0.301
St3	2022	P8_timeSex_timeSex	real	pent gFemale a2 t3	<0.001	<0.001	<0.001	<0.001
St3	2022	P8_timeSex_timeSex	real	pent gFemale a3 t4	0.194	0.081	0.080	0.400
St3	2022	P8_timeSex_timeSex	real	pent gFemale a4 t5	0.182	0.098	0.058	0.447
St3	2022	P8_timeSex_timeSex	real	pent gFemale a5 t6	0.076	0.073	0.011	0.384
St3	2022	P8_timeSex_timeSex	real	pent gFemale a6 t7	0.100	0.024	0.061	0.158
St3	2022	P8_timeSex_timeSex	real	pent gFemale a7 t8	0.094	0.037	0.042	0.195
St3	2022	P8_timeSex_timeSex	real	pent gFemale a8 t9	0.025	0.038	0.001	0.350
St3	2023	P1_dot_dot	real	Phi gMale a0 t1	0.351	0.053	0.255	0.462
St3	2023	P1_dot_dot	real	p gMale a0 t1	0.450	0.096	0.276	0.637
St3	2023	P1_dot_dot	real	N gMale a0 t1	180.063	30.668	138.582	265.015
St3	2023	P1_dot_dot	real	N gFemale a0 t1	158.176	27.243	121.483	233.916
St3	2023	P1_dot_dot	real	pent gMale a1 t2	0.060	0.029	0.023	0.147
St3	2023	P1_dot_dot	real	pent gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St3	2023	P1_dot_dot	real	pent gMale a3 t4	0.232	0.038	0.166	0.315
St3	2023	P1_dot_dot	real	pent gMale a4 t5	0.092	0.031	0.046	0.174
St3	2023	P1_dot_dot	real	pent gMale a5 t6	0.013	0.018	0.001	0.188
St3	2023	P1_dot_dot	real	pent gMale a6 t7	0.222	0.038	0.157	0.304
St3	2023	P1_dot_dot	real	pent gMale a7 t8	0.093	0.031	0.048	0.174
St3	2023	P1_dot_dot	real	pent gMale a8 t9	0.058	0.024	0.026	0.128
St3	2023	P1_dot_dot	real	pent gFemale a1 t2	0.060	0.029	0.023	0.147
St3	2023	P1_dot_dot	real	pent gFemale a2 t3	<0.001	<0.001	<0.001	<0.001
St3	2023	P1_dot_dot	real	pent gFemale a3 t4	0.232	0.038	0.166	0.315
St3	2023	P1_dot_dot	real	pent gFemale a4 t5	0.092	0.031	0.046	0.174
St3	2023	P1_dot_dot	real	pent gFemale a5 t6	0.013	0.018	0.001	0.188
St3	2023	P1_dot_dot	real	pent gFemale a6 t7	0.222	0.038	0.157	0.304
St3	2023	P1_dot_dot	real	pent gFemale a7 t8	0.093	0.031	0.048	0.174
St3	2023	P1_dot_dot	real	pent gFemale a8 t9	0.058	0.024	0.026	0.128
St3	2023	P2_time_dot	real	Phi gMale a0 t1	0.461	0.208	0.142	0.815
St3	2023	P2_time_dot	real	Phi gMale a1 t2	0.190	0.098	0.063	0.451
St3	2023	P2_time_dot	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St3	2023	P2_time_dot	real	Phi gMale a3 t4	0.628	0.224	0.205	0.917
St3	2023	P2_time_dot	real	Phi gMale a4 t5	0.407	0.132	0.191	0.667
St3	2023	P2_time_dot	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001

St3	2023	P2_time_dot	real	Phi gMale a6 t7	0.876	0.160	0.283	0.992
St3	2023	P2_time_dot	real	Phi gMale a7 t8	0.836	0.189	0.256	0.987
St3	2023	P2_time_dot	real	p gMale a0 t1	0.276	0.048	0.192	0.380
St3	2023	P2_time_dot	real	N gMale a0 t1	220.443	30.405	173.901	295.905
St3	2023	P2_time_dot	real	N gFemale a0 t1	193.662	27.257	152.150	261.623
St3	2023	P2_time_dot	real	pent gMale a1 t2	0.044	0.059	0.003	0.422
St3	2023	P2_time_dot	real	pent gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St3	2023	P2_time_dot	real	pent gMale a3 t4	0.314	0.059	0.212	0.438
St3	2023	P2_time_dot	real	pent gMale a4 t5	0.039	0.068	0.001	0.591
St3	2023	P2_time_dot	real	pent gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St3	2023	P2_time_dot	real	pent gMale a6 t7	0.298	0.041	0.225	0.384
St3	2023	P2_time_dot	real	pent gMale a7 t8	<0.001	<0.001	<0.001	<0.001
St3	2023	P2_time_dot	real	pent gMale a8 t9	<0.001	<0.001	<0.001	1
St3	2023	P2_time_dot	real	pent gFemale a1 t2	0.044	0.059	0.003	0.422
St3	2023	P2_time_dot	real	pent gFemale a2 t3	<0.001	<0.001	<0.001	<0.001
St3	2023	P2_time_dot	real	pent gFemale a3 t4	0.314	0.059	0.212	0.438
St3	2023	P2_time_dot	real	pent gFemale a4 t5	0.039	0.068	0.001	0.591
St3	2023	P2_time_dot	real	pent gFemale a5 t6	<0.001	<0.001	<0.001	<0.001
St3	2023	P2_time_dot	real	pent gFemale a6 t7	0.298	0.041	0.225	0.384
St3	2023	P2_time_dot	real	pent gFemale a7 t8	<0.001	<0.001	<0.001	<0.001
St3	2023	P2_time_dot	real	pent gFemale a8 t9	<0.001	<0.001	<0.001	1
St3	2023	P3_dot_time	real	Phi gMale a0 t1	0.362	0.057	0.259	0.480
St3	2023	P3_dot_time	real	p gMale a0 t1	1.000	0.016	<0.001	1
St3	2023	P3_dot_time	real	p gMale a1 t2	0.337	0.133	0.136	0.620
St3	2023	P3_dot_time	real	p gMale a2 t3	0.184	0.120	0.045	0.518
St3	2023	P3_dot_time	real	p gMale a3 t4	0.179	0.052	0.099	0.303
St3	2023	P3_dot_time	real	p gMale a4 t5	0.368	0.110	0.187	0.596
St3	2023	P3_dot_time	real	p gMale a5 t6	0.433	0.195	0.139	0.784
St3	2023	P3_dot_time	real	p gMale a6 t7	0.185	0.060	0.094	0.333
St3	2023	P3_dot_time	real	p gMale a7 t8	0.400	0.131	0.186	0.660
St3	2023	P3_dot_time	real	p gMale a8 t9	0.831	0.265	0.109	0.995
St3	2023	P3_dot_time	real	N gMale a0 t1	246.853	40.793	185.951	350.413
St3	2023	P3_dot_time	real	N gFemale a0 t1	216.879	36.396	162.770	309.628
St3	2023	P3_dot_time	real	pent gMale a1 t2	0.107	0.046	0.045	0.236
St3	2023	P3_dot_time	real	pent gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St3	2023	P3_dot_time	real	pent gMale a3 t4	0.418	0.081	0.273	0.579
St3	2023	P3_dot_time	real	pent gMale a4 t5	<0.001	<0.001	<0.001	<0.001
St3	2023	P3_dot_time	real	pent gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St3	2023	P3_dot_time	real	pent gMale a6 t7	0.391	0.090	0.235	0.573
St3	2023	P3_dot_time	real	pent gMale a7 t8	<0.001	<0.001	<0.001	<0.001
St3	2023	P3_dot_time	real	pent gMale a8 t9	0.008	0.019	<0.001	0.431
St3	2023	P3_dot_time	real	pent gFemale a1 t2	0.107	0.046	0.045	0.236
St3	2023	P3_dot_time	real	pent gFemale a2 t3	<0.001	<0.001	<0.001	<0.001
St3	2023	P3_dot_time	real	pent gFemale a3 t4	0.418	0.081	0.273	0.579
St3	2023	P3_dot_time	real	pent gFemale a4 t5	<0.001	<0.001	<0.001	<0.001
St3	2023	P3_dot_time	real	pent gFemale a5 t6	<0.001	<0.001	<0.001	<0.001
St3	2023	P3_dot_time	real	pent gFemale a6 t7	0.391	0.090	0.235	0.573
St3	2023	P3_dot_time	real	pent gFemale a7 t8	<0.001	<0.001	<0.001	<0.001
St3	2023	P3_dot_time	real	pent gFemale a8 t9	0.008	0.019	<0.001	0.431
St3	2023	P4_time_time	real	Phi gMale a0 t1	0.431	0.350	0.044	0.926
St3	2023	P4_time_time	real	Phi gMale a1 t2	1.000	<0.001	1.000	1.000
St3	2023	P4_time_time	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St3	2023	P4_time_time	real	Phi gMale a3 t4	0.593	0.307	0.108	0.946
St3	2023	P4_time_time	real	Phi gMale a4 t5	0.815	17.946	<0.001	1
St3	2023	P4_time_time	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St3	2023	P4_time_time	real	Phi gMale a6 t7	1.000	<0.001	1.000	1.000
St3	2023	P4_time_time	real	Phi gMale a7 t8	0.211	0.048	0.131	0.320
St3	2023	P4_time_time	real	p gMale a0 t1	1.000	0.012	<0.001	1
St3	2023	P4_time_time	real	p gMale a1 t2	0.292	0.215	0.051	0.760

St3	2023	P4_time_time	real	p gMale a2 t3	0.056	0.048	0.010	0.261
St3	2023	P4_time_time	real	p gMale a3 t4	1.000	<0.001	1.000	1.000
St3	2023	P4_time_time	real	p gMale a4 t5	0.291	0.134	0.103	0.595
St3	2023	P4_time_time	real	p gMale a5 t6	0.145	3.199	<0.001	1
St3	2023	P4_time_time	real	p gMale a6 t7	0.925	14.683	<0.001	1
St3	2023	P4_time_time	real	p gMale a7 t8	0.244	0.054	0.154	0.364
St3	2023	P4_time_time	real	p gMale a8 t9	1.000	<0.001	1.000	1.000
St3	2023	P4_time_time	real	N gMale a0 t1	169.387	31.086	129.773	259.996
St3	2023	P4_time_time	real	N gFemale a0 t1	148.794	27.555	113.820	229.377
St3	2023	P4_time_time	real	pent gMale a1 t2	0.179	0.108	0.049	0.480
St3	2023	P4_time_time	real	pent gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St3	2023	P4_time_time	real	pent gMale a3 t4	0.113	0.027	0.070	0.177
St3	2023	P4_time_time	real	pent gMale a4 t5	0.225	0.084	0.101	0.427
St3	2023	P4_time_time	real	pent gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St3	2023	P4_time_time	real	pent gMale a6 t7	0.119	1.889	<0.001	1
St3	2023	P4_time_time	real	pent gMale a7 t8	0.254	1.890	<0.001	1
St3	2023	P4_time_time	real	pent gMale a8 t9	<0.001	<0.001	<0.001	<0.001
St3	2023	P4_time_time	real	pent gFemale a1 t2	0.179	0.108	0.049	0.480
St3	2023	P4_time_time	real	pent gFemale a2 t3	<0.001	<0.001	<0.001	<0.001
St3	2023	P4_time_time	real	pent gFemale a3 t4	0.113	0.027	0.070	0.177
St3	2023	P4_time_time	real	pent gFemale a4 t5	0.225	0.084	0.101	0.427
St3	2023	P4_time_time	real	pent gFemale a5 t6	<0.001	<0.001	<0.001	<0.001
St3	2023	P4_time_time	real	pent gFemale a6 t7	0.119	1.889	<0.001	1
St3	2023	P4_time_time	real	pent gFemale a7 t8	0.254	1.890	<0.001	1
St3	2023	P4_time_time	real	pent gFemale a8 t9	<0.001	<0.001	<0.001	<0.001
St3	2023	P5_sex_dot	real	Phi gMale a0 t1	0.366	0.067	0.247	0.504
St3	2023	P5_sex_dot	real	Phi gFemale a0 t1	0.338	0.064	0.226	0.472
St3	2023	P5_sex_dot	real	p gMale a0 t1	0.448	0.096	0.274	0.635
St3	2023	P5_sex_dot	real	N gMale a0 t1	178.978	30.270	138.041	262.840
St3	2023	P5_sex_dot	real	N gFemale a0 t1	159.973	28.353	121.993	239.173
St3	2023	P5_sex_dot	real	pent gMale a1 t2	0.059	0.029	0.023	0.148
St3	2023	P5_sex_dot	real	pent gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St3	2023	P5_sex_dot	real	pent gMale a3 t4	0.232	0.038	0.166	0.315
St3	2023	P5_sex_dot	real	pent gMale a4 t5	0.092	0.031	0.046	0.174
St3	2023	P5_sex_dot	real	pent gMale a5 t6	0.013	0.018	0.001	0.177
St3	2023	P5_sex_dot	real	pent gMale a6 t7	0.223	0.038	0.157	0.306
St3	2023	P5_sex_dot	real	pent gMale a7 t8	0.093	0.031	0.047	0.175
St3	2023	P5_sex_dot	real	pent gMale a8 t9	0.058	0.024	0.025	0.128
St3	2023	P5_sex_dot	real	pent gFemale a1 t2	0.059	0.029	0.023	0.148
St3	2023	P5_sex_dot	real	pent gFemale a2 t3	<0.001	<0.001	<0.001	<0.001
St3	2023	P5_sex_dot	real	pent gFemale a3 t4	0.232	0.038	0.166	0.315
St3	2023	P5_sex_dot	real	pent gFemale a4 t5	0.092	0.031	0.046	0.174
St3	2023	P5_sex_dot	real	pent gFemale a5 t6	0.013	0.018	0.001	0.177
St3	2023	P5_sex_dot	real	pent gFemale a6 t7	0.223	0.038	0.157	0.306
St3	2023	P5_sex_dot	real	pent gFemale a7 t8	0.093	0.031	0.047	0.175
St3	2023	P5_sex_dot	real	pent gFemale a8 t9	0.058	0.024	0.025	0.128
St3	2023	P6_dot_sex	real	Phi gMale a0 t1	0.349	0.053	0.253	0.458
St3	2023	P6_dot_sex	real	p gMale a0 t1	0.404	0.105	0.223	0.616
St3	2023	P6_dot_sex	real	p gFemale a0 t1	0.516	0.134	0.271	0.753
St3	2023	P6_dot_sex	real	N gMale a0 t1	197.110	42.305	142.672	319.405
St3	2023	P6_dot_sex	real	N gFemale a0 t1	141.532	29.110	107.438	232.504
St3	2023	P6_dot_sex	real	pent gMale a1 t2	0.061	0.028	0.024	0.147
St3	2023	P6_dot_sex	real	pent gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St3	2023	P6_dot_sex	real	pent gMale a3 t4	0.230	0.038	0.165	0.312
St3	2023	P6_dot_sex	real	pent gMale a4 t5	0.092	0.031	0.047	0.172
St3	2023	P6_dot_sex	real	pent gMale a5 t6	0.015	0.018	0.001	0.148
St3	2023	P6_dot_sex	real	pent gMale a6 t7	0.223	0.038	0.158	0.305
St3	2023	P6_dot_sex	real	pent gMale a7 t8	0.093	0.031	0.047	0.174
St3	2023	P6_dot_sex	real	pent gMale a8 t9	0.058	0.024	0.025	0.127

St3	2023	P6_dot_sex	real	pent gFemale a1 t2	0.061	0.028	0.024	0.147
St3	2023	P6_dot_sex	real	pent gFemale a2 t3	<0.001	<0.001	<0.001	<0.001
St3	2023	P6_dot_sex	real	pent gFemale a3 t4	0.230	0.038	0.165	0.312
St3	2023	P6_dot_sex	real	pent gFemale a4 t5	0.092	0.031	0.047	0.172
St3	2023	P6_dot_sex	real	pent gFemale a5 t6	0.015	0.018	0.001	0.148
St3	2023	P6_dot_sex	real	pent gFemale a6 t7	0.223	0.038	0.158	0.305
St3	2023	P6_dot_sex	real	pent gFemale a7 t8	0.093	0.031	0.047	0.174
St3	2023	P6_dot_sex	real	pent gFemale a8 t9	0.058	0.024	0.025	0.127
St3	2023	P7_sex_sex	real	Phi gMale a0 t1	0.388	0.071	0.261	0.533
St3	2023	P7_sex_sex	real	Phi gFemale a0 t1	0.312	0.065	0.201	0.450
St3	2023	P7_sex_sex	real	p gMale a0 t1	0.375	0.105	0.199	0.591
St3	2023	P7_sex_sex	real	p gFemale a0 t1	0.553	0.144	0.284	0.795
St3	2023	P7_sex_sex	real	N gMale a0 t1	204.260	44.706	146.383	332.834
St3	2023	P7_sex_sex	real	N gFemale a0 t1	136.211	28.104	104.371	226.416
St3	2023	P7_sex_sex	real	pent gMale a1 t2	0.060	0.028	0.024	0.145
St3	2023	P7_sex_sex	real	pent gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St3	2023	P7_sex_sex	real	pent gMale a3 t4	0.229	0.037	0.164	0.310
St3	2023	P7_sex_sex	real	pent gMale a4 t5	0.091	0.030	0.047	0.170
St3	2023	P7_sex_sex	real	pent gMale a5 t6	0.018	0.018	0.002	0.119
St3	2023	P7_sex_sex	real	pent gMale a6 t7	0.225	0.038	0.159	0.309
St3	2023	P7_sex_sex	real	pent gMale a7 t8	0.090	0.032	0.044	0.175
St3	2023	P7_sex_sex	real	pent gMale a8 t9	0.056	0.024	0.024	0.127
St3	2023	P7_sex_sex	real	pent gFemale a1 t2	0.060	0.028	0.024	0.145
St3	2023	P7_sex_sex	real	pent gFemale a2 t3	<0.001	<0.001	<0.001	<0.001
St3	2023	P7_sex_sex	real	pent gFemale a3 t4	0.229	0.037	0.164	0.310
St3	2023	P7_sex_sex	real	pent gFemale a4 t5	0.091	0.030	0.047	0.170
St3	2023	P7_sex_sex	real	pent gFemale a5 t6	0.018	0.018	0.002	0.119
St3	2023	P7_sex_sex	real	pent gFemale a6 t7	0.225	0.038	0.159	0.309
St3	2023	P7_sex_sex	real	pent gFemale a7 t8	0.090	0.032	0.044	0.175
St3	2023	P7_sex_sex	real	pent gFemale a8 t9	0.056	0.024	0.024	0.127
St3	2023	P8_timeSex_timeSex	real	Phi gMale a0 t1	0.632	0.524	0.020	0.993
St3	2023	P8_timeSex_timeSex	real	Phi gMale a1 t2	1.000	<0.001	1.000	1.000
St3	2023	P8_timeSex_timeSex	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St3	2023	P8_timeSex_timeSex	real	Phi gMale a3 t4	0.679	0.318	0.108	0.973
St3	2023	P8_timeSex_timeSex	real	Phi gMale a4 t5	1.000	0.076	<0.001	1
St3	2023	P8_timeSex_timeSex	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St3	2023	P8_timeSex_timeSex	real	Phi gMale a6 t7	0.897	0.235	0.055	0.999
St3	2023	P8_timeSex_timeSex	real	Phi gMale a7 t8	0.253	0.087	0.121	0.455
St3	2023	P8_timeSex_timeSex	real	Phi gFemale a0 t1	0.558	0.513	0.021	0.987
St3	2023	P8_timeSex_timeSex	real	Phi gFemale a1 t2	1.000	<0.001	1.000	1.000
St3	2023	P8_timeSex_timeSex	real	Phi gFemale a2 t3	<0.001	<0.001	<0.001	<0.001
St3	2023	P8_timeSex_timeSex	real	Phi gFemale a3 t4	0.609	0.345	0.083	0.964
St3	2023	P8_timeSex_timeSex	real	Phi gFemale a4 t5	1.000	0.103	<0.001	1
St3	2023	P8_timeSex_timeSex	real	Phi gFemale a5 t6	<0.001	<0.001	<0.001	<0.001
St3	2023	P8_timeSex_timeSex	real	Phi gFemale a6 t7	0.866	0.306	0.036	0.999
St3	2023	P8_timeSex_timeSex	real	Phi gFemale a7 t8	0.200	0.078	0.087	0.395
St3	2023	P8_timeSex_timeSex	real	p gMale a0 t1	0.171	0.076	0.068	0.372
St3	2023	P8_timeSex_timeSex	real	p gMale a1 t2	0.173	0.152	0.026	0.626
St3	2023	P8_timeSex_timeSex	real	p gMale a2 t3	0.031	0.030	0.005	0.183
St3	2023	P8_timeSex_timeSex	real	p gMale a3 t4	0.466	0.549	0.011	0.985
St3	2023	P8_timeSex_timeSex	real	p gMale a4 t5	0.207	0.112	0.064	0.499
St3	2023	P8_timeSex_timeSex	real	p gMale a5 t6	0.081	0.048	0.024	0.236
St3	2023	P8_timeSex_timeSex	real	p gMale a6 t7	0.245	0.064	0.142	0.389
St3	2023	P8_timeSex_timeSex	real	p gMale a7 t8	0.229	0.080	0.109	0.418
St3	2023	P8_timeSex_timeSex	real	p gMale a8 t9	1	<0.001	1	1
St3	2023	P8_timeSex_timeSex	real	p gFemale a0 t1	0.268	0.099	0.120	0.496
St3	2023	P8_timeSex_timeSex	real	p gFemale a1 t2	0.271	0.218	0.041	0.764
St3	2023	P8_timeSex_timeSex	real	p gFemale a2 t3	0.054	0.052	0.008	0.298
St3	2023	P8_timeSex_timeSex	real	p gFemale a3 t4	0.608	0.504	0.024	0.990

St3	2023	P8_timeSex_timeSex	real	p gFemale a4 t5	0.316	0.141	0.114	0.625
St3	2023	P8_timeSex_timeSex	real	p gFemale a5 t6	0.134	0.071	0.045	0.340
St3	2023	P8_timeSex_timeSex	real	p gFemale a6 t7	0.365	0.091	0.210	0.554
St3	2023	P8_timeSex_timeSex	real	p gFemale a7 t8	0.345	0.112	0.167	0.581
St3	2023	P8_timeSex_timeSex	real	p gFemale a8 t9	1	<0.001	1	1
St3	2023	P8_timeSex_timeSex	real	N gMale a0 t1	249.215	65.222	165.522	438.206
St3	2023	P8_timeSex_timeSex	real	N gFemale a0 t1	168.530	31.870	125.934	257.726
St3	2023	P8_timeSex_timeSex	real	pent gMale a1 t2	<0.001	0.001	<0.001	1
St3	2023	P8_timeSex_timeSex	real	pent gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St3	2023	P8_timeSex_timeSex	real	pent gMale a3 t4	0.164	0.153	0.022	0.635
St3	2023	P8_timeSex_timeSex	real	pent gMale a4 t5	0.150	0.119	0.028	0.522
St3	2023	P8_timeSex_timeSex	real	pent gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St3	2023	P8_timeSex_timeSex	real	pent gMale a6 t7	0.289	0.068	0.175	0.438
St3	2023	P8_timeSex_timeSex	real	pent gMale a7 t8	<0.001	0.003	<0.001	1
St3	2023	P8_timeSex_timeSex	real	pent gMale a8 t9	<0.001	<0.001	<0.001	<0.001
St3	2023	P8_timeSex_timeSex	real	pent gFemale a1 t2	<0.001	0.001	<0.001	1
St3	2023	P8_timeSex_timeSex	real	pent gFemale a2 t3	<0.001	<0.001	<0.001	<0.001
St3	2023	P8_timeSex_timeSex	real	pent gFemale a3 t4	0.164	0.153	0.022	0.635
St3	2023	P8_timeSex_timeSex	real	pent gFemale a4 t5	0.150	0.119	0.028	0.522
St3	2023	P8_timeSex_timeSex	real	pent gFemale a5 t6	<0.001	<0.001	<0.001	<0.001
St3	2023	P8_timeSex_timeSex	real	pent gFemale a6 t7	0.289	0.068	0.175	0.438
St3	2023	P8_timeSex_timeSex	real	pent gFemale a7 t8	<0.001	0.003	<0.001	1
St3	2023	P8_timeSex_timeSex	real	pent gFemale a8 t9	<0.001	<0.001	<0.001	<0.001
St3	2024	P1_dot_dot	real	Phi gMale a0 t1	0.373	0.054	0.274	0.483
St3	2024	P1_dot_dot	real	p gMale a0 t1	0.429	0.093	0.263	0.613
St3	2024	P1_dot_dot	real	N gMale a0 t1	158.068	26.280	122.056	230.048
St3	2024	P1_dot_dot	real	N gFemale a0 t1	191.257	31.243	148.174	276.361
St3	2024	P1_dot_dot	real	pent gMale a1 t2	0.103	0.034	0.053	0.191
St3	2024	P1_dot_dot	real	pent gMale a2 t3	0.033	0.023	0.008	0.125
St3	2024	P1_dot_dot	real	pent gMale a3 t4	0.212	0.038	0.147	0.295
St3	2024	P1_dot_dot	real	pent gMale a4 t5	0.085	0.031	0.041	0.169
St3	2024	P1_dot_dot	real	pent gMale a5 t6	0.091	0.028	0.049	0.164
St3	2024	P1_dot_dot	real	pent gMale a6 t7	0.161	0.034	0.104	0.239
St3	2024	P1_dot_dot	real	pent gMale a7 t8	0.040	0.025	0.011	0.132
St3	2024	P1_dot_dot	real	pent gMale a8 t9	0.010	0.015	<0.001	0.168
St3	2024	P1_dot_dot	real	pent gFemale a1 t2	0.103	0.034	0.053	0.191
St3	2024	P1_dot_dot	real	pent gFemale a2 t3	0.033	0.023	0.008	0.125
St3	2024	P1_dot_dot	real	pent gFemale a3 t4	0.212	0.038	0.147	0.295
St3	2024	P1_dot_dot	real	pent gFemale a4 t5	0.085	0.031	0.041	0.169
St3	2024	P1_dot_dot	real	pent gFemale a5 t6	0.091	0.028	0.049	0.164
St3	2024	P1_dot_dot	real	pent gFemale a6 t7	0.161	0.034	0.104	0.239
St3	2024	P1_dot_dot	real	pent gFemale a7 t8	0.040	0.025	0.011	0.132
St3	2024	P1_dot_dot	real	pent gFemale a8 t9	0.010	0.015	<0.001	0.168
St3	2024	P2_time_dot	real	Phi gMale a0 t1	0.401	0.109	0.216	0.620
St3	2024	P2_time_dot	real	Phi gMale a1 t2	0.550	0.198	0.204	0.854
St3	2024	P2_time_dot	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St3	2024	P2_time_dot	real	Phi gMale a3 t4	0.951	0.167	0.017	1.000
St3	2024	P2_time_dot	real	Phi gMale a4 t5	0.718	0.227	0.221	0.958
St3	2024	P2_time_dot	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St3	2024	P2_time_dot	real	Phi gMale a6 t7	0.554	0.207	0.193	0.865
St3	2024	P2_time_dot	real	Phi gMale a7 t8	0.617	0.196	0.240	0.891
St3	2024	P2_time_dot	real	p gMale a0 t1	0.321	0.067	0.206	0.463
St3	2024	P2_time_dot	real	N gMale a0 t1	173.438	23.884	137.684	233.926
St3	2024	P2_time_dot	real	N gFemale a0 t1	209.844	28.075	167.490	280.452
St3	2024	P2_time_dot	real	pent gMale a1 t2	0.106	0.048	0.043	0.241
St3	2024	P2_time_dot	real	pent gMale a2 t3	0.008	0.042	<0.001	0.996
St3	2024	P2_time_dot	real	pent gMale a3 t4	0.267	0.041	0.194	0.354
St3	2024	P2_time_dot	real	pent gMale a4 t5	<0.001	<0.001	<0.001	1
St3	2024	P2_time_dot	real	pent gMale a5 t6	0.062	0.043	0.015	0.218

St3	2024	P2_time_dot	real	pent gMale a6 t7	0.227	0.048	0.147	0.333
St3	2024	P2_time_dot	real	pent gMale a7 t8	0.006	0.047	<0.001	1.000
St3	2024	P2_time_dot	real	pent gMale a8 t9	<0.001	<0.001	<0.001	1
St3	2024	P2_time_dot	real	pent gFemale a1 t2	0.106	0.048	0.043	0.241
St3	2024	P2_time_dot	real	pent gFemale a2 t3	0.008	0.042	<0.001	0.996
St3	2024	P2_time_dot	real	pent gFemale a3 t4	0.267	0.041	0.194	0.354
St3	2024	P2_time_dot	real	pent gFemale a4 t5	<0.001	<0.001	<0.001	1
St3	2024	P2_time_dot	real	pent gFemale a5 t6	0.062	0.043	0.015	0.218
St3	2024	P2_time_dot	real	pent gFemale a6 t7	0.227	0.048	0.147	0.333
St3	2024	P2_time_dot	real	pent gFemale a7 t8	0.006	0.047	<0.001	1.000
St3	2024	P2_time_dot	real	pent gFemale a8 t9	<0.001	<0.001	<0.001	1
St3	2024	P3_dot_time	real	Phi gMale a0 t1	0.330	0.041	0.255	0.415
St3	2024	P3_dot_time	real	p gMale a0 t1	1.000	0.006	<0.001	1
St3	2024	P3_dot_time	real	p gMale a1 t2	0.379	0.155	0.144	0.688
St3	2024	P3_dot_time	real	p gMale a2 t3	0.624	0.234	0.191	0.921
St3	2024	P3_dot_time	real	p gMale a3 t4	0.207	0.060	0.112	0.349
St3	2024	P3_dot_time	real	p gMale a4 t5	0.499	0.127	0.269	0.729
St3	2024	P3_dot_time	real	p gMale a5 t6	1.000	<0.001	1.000	1.000
St3	2024	P3_dot_time	real	p gMale a6 t7	0.192	0.060	0.101	0.336
St3	2024	P3_dot_time	real	p gMale a7 t8	0.330	0.114	0.152	0.575
St3	2024	P3_dot_time	real	p gMale a8 t9	0.625	0.277	0.141	0.944
St3	2024	P3_dot_time	real	N gMale a0 t1	186.976	28.214	144.998	258.823
St3	2024	P3_dot_time	real	N gFemale a0 t1	226.216	33.288	176.346	310.462
St3	2024	P3_dot_time	real	pent gMale a1 t2	0.153	0.066	0.062	0.331
St3	2024	P3_dot_time	real	pent gMale a2 t3	0.007	0.027	<0.001	0.918
St3	2024	P3_dot_time	real	pent gMale a3 t4	0.381	0.079	0.243	0.542
St3	2024	P3_dot_time	real	pent gMale a4 t5	<0.001	<0.001	<0.001	<0.001
St3	2024	P3_dot_time	real	pent gMale a5 t6	0.027	0.016	0.008	0.082
St3	2024	P3_dot_time	real	pent gMale a6 t7	0.335	0.072	0.211	0.487
St3	2024	P3_dot_time	real	pent gMale a7 t8	<0.001	0.022	<0.001	0.044
St3	2024	P3_dot_time	real	pent gMale a8 t9	<0.001	<0.001	<0.001	<0.001
St3	2024	P3_dot_time	real	pent gFemale a1 t2	0.153	0.066	0.062	0.331
St3	2024	P3_dot_time	real	pent gFemale a2 t3	0.007	0.027	<0.001	0.918
St3	2024	P3_dot_time	real	pent gFemale a3 t4	0.381	0.079	0.243	0.542
St3	2024	P3_dot_time	real	pent gFemale a4 t5	<0.001	<0.001	<0.001	<0.001
St3	2024	P3_dot_time	real	pent gFemale a5 t6	0.027	0.016	0.008	0.082
St3	2024	P3_dot_time	real	pent gFemale a6 t7	0.335	0.072	0.211	0.487
St3	2024	P3_dot_time	real	pent gFemale a7 t8	<0.001	0.022	<0.001	0.044
St3	2024	P3_dot_time	real	pent gFemale a8 t9	<0.001	<0.001	<0.001	<0.001
St3	2024	P4_time_time	real	Phi gMale a0 t1	0.401	0.183	0.131	0.748
St3	2024	P4_time_time	real	Phi gMale a1 t2	0.999	0.689	<0.001	1
St3	2024	P4_time_time	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St3	2024	P4_time_time	real	Phi gMale a3 t4	1	<0.001	1	1
St3	2024	P4_time_time	real	Phi gMale a4 t5	0.223	0.057	0.131	0.355
St3	2024	P4_time_time	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St3	2024	P4_time_time	real	Phi gMale a6 t7	0.559	0.281	0.120	0.922
St3	2024	P4_time_time	real	Phi gMale a7 t8	0.966	7.199	<0.001	1
St3	2024	P4_time_time	real	p gMale a0 t1	1	<0.001	<0.001	1
St3	2024	P4_time_time	real	p gMale a1 t2	0.311	0.111	0.141	0.554
St3	2024	P4_time_time	real	p gMale a2 t3	0.183	0.144	0.032	0.598
St3	2024	P4_time_time	real	p gMale a3 t4	0.359	1.722	<0.001	1.000
St3	2024	P4_time_time	real	p gMale a4 t5	0.301	0.078	0.172	0.471
St3	2024	P4_time_time	real	p gMale a5 t6	1.000	0.037	<0.001	1
St3	2024	P4_time_time	real	p gMale a6 t7	1.000	0.002	<0.001	1
St3	2024	P4_time_time	real	p gMale a7 t8	0.313	0.144	0.110	0.628
St3	2024	P4_time_time	real	p gMale a8 t9	0.203	1.513	<0.001	1
St3	2024	P4_time_time	real	N gMale a0 t1	130.321	16.809	107.605	176.919
St3	2024	P4_time_time	real	N gFemale a0 t1	157.702	19.898	130.588	212.468
St3	2024	P4_time_time	real	pent gMale a1 t2	0.268	0.071	0.153	0.427

St3	2024	P4_time_time	real	pent gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St3	2024	P4_time_time	real	pent gMale a3 t4	0.329	1.578	<0.001	1.000
St3	2024	P4_time_time	real	pent gMale a4 t5	0.017	1.577	<0.001	1
St3	2024	P4_time_time	real	pent gMale a5 t6	0.027	0.024	0.005	0.145
St3	2024	P4_time_time	real	pent gMale a6 t7	0.097	0.021	0.063	0.147
St3	2024	P4_time_time	real	pent gMale a7 t8	0.123	0.051	0.053	0.260
St3	2024	P4_time_time	real	pent gMale a8 t9	<0.001	<0.001	<0.001	<0.001
St3	2024	P4_time_time	real	pent gFemale a1 t2	0.268	0.071	0.153	0.427
St3	2024	P4_time_time	real	pent gFemale a2 t3	<0.001	<0.001	<0.001	<0.001
St3	2024	P4_time_time	real	pent gFemale a3 t4	0.329	1.578	<0.001	1.000
St3	2024	P4_time_time	real	pent gFemale a4 t5	0.017	1.577	<0.001	1
St3	2024	P4_time_time	real	pent gFemale a5 t6	0.027	0.024	0.005	0.145
St3	2024	P4_time_time	real	pent gFemale a6 t7	0.097	0.021	0.063	0.147
St3	2024	P4_time_time	real	pent gFemale a7 t8	0.123	0.051	0.053	0.260
St3	2024	P4_time_time	real	pent gFemale a8 t9	<0.001	<0.001	<0.001	<0.001
St3	2024	P5_sex_dot	real	Phi gMale a0 t1	0.376	0.073	0.247	0.525
St3	2024	P5_sex_dot	real	Phi gFemale a0 t1	0.371	0.060	0.263	0.494
St3	2024	P5_sex_dot	real	p gMale a0 t1	0.429	0.094	0.262	0.614
St3	2024	P5_sex_dot	real	N gMale a0 t1	157.965	26.278	121.973	229.969
St3	2024	P5_sex_dot	real	N gFemale a0 t1	191.731	32.386	147.541	280.768
St3	2024	P5_sex_dot	real	pent gMale a1 t2	0.103	0.034	0.053	0.191
St3	2024	P5_sex_dot	real	pent gMale a2 t3	0.033	0.023	0.008	0.125
St3	2024	P5_sex_dot	real	pent gMale a3 t4	0.212	0.038	0.147	0.296
St3	2024	P5_sex_dot	real	pent gMale a4 t5	0.085	0.031	0.041	0.169
St3	2024	P5_sex_dot	real	pent gMale a5 t6	0.091	0.028	0.049	0.164
St3	2024	P5_sex_dot	real	pent gMale a6 t7	0.161	0.034	0.104	0.239
St3	2024	P5_sex_dot	real	pent gMale a7 t8	0.040	0.026	0.011	0.133
St3	2024	P5_sex_dot	real	pent gMale a8 t9	0.009	0.015	<0.001	0.177
St3	2024	P5_sex_dot	real	pent gFemale a1 t2	0.103	0.034	0.053	0.191
St3	2024	P5_sex_dot	real	pent gFemale a2 t3	0.033	0.023	0.008	0.125
St3	2024	P5_sex_dot	real	pent gFemale a3 t4	0.212	0.038	0.147	0.296
St3	2024	P5_sex_dot	real	pent gFemale a4 t5	0.085	0.031	0.041	0.169
St3	2024	P5_sex_dot	real	pent gFemale a5 t6	0.091	0.028	0.049	0.164
St3	2024	P5_sex_dot	real	pent gFemale a6 t7	0.161	0.034	0.104	0.239
St3	2024	P5_sex_dot	real	pent gFemale a7 t8	0.040	0.026	0.011	0.133
St3	2024	P5_sex_dot	real	pent gFemale a8 t9	0.009	0.015	<0.001	0.177
St3	2024	P6_dot_sex	real	Phi gMale a0 t1	0.374	0.054	0.275	0.485
St3	2024	P6_dot_sex	real	p gMale a0 t1	0.408	0.118	0.210	0.641
St3	2024	P6_dot_sex	real	p gFemale a0 t1	0.442	0.106	0.255	0.648
St3	2024	P6_dot_sex	real	N gMale a0 t1	164.633	37.036	118.703	275.071
St3	2024	P6_dot_sex	real	N gFemale a0 t1	186.495	34.242	141.762	284.220
St3	2024	P6_dot_sex	real	pent gMale a1 t2	0.103	0.034	0.053	0.191
St3	2024	P6_dot_sex	real	pent gMale a2 t3	0.032	0.023	0.008	0.125
St3	2024	P6_dot_sex	real	pent gMale a3 t4	0.212	0.038	0.147	0.296
St3	2024	P6_dot_sex	real	pent gMale a4 t5	0.085	0.031	0.041	0.170
St3	2024	P6_dot_sex	real	pent gMale a5 t6	0.091	0.028	0.049	0.164
St3	2024	P6_dot_sex	real	pent gMale a6 t7	0.161	0.034	0.105	0.240
St3	2024	P6_dot_sex	real	pent gMale a7 t8	0.040	0.026	0.011	0.134
St3	2024	P6_dot_sex	real	pent gMale a8 t9	0.009	0.015	<0.001	0.196
St3	2024	P6_dot_sex	real	pent gFemale a1 t2	0.103	0.034	0.053	0.191
St3	2024	P6_dot_sex	real	pent gFemale a2 t3	0.032	0.023	0.008	0.125
St3	2024	P6_dot_sex	real	pent gFemale a3 t4	0.212	0.038	0.147	0.296
St3	2024	P6_dot_sex	real	pent gFemale a4 t5	0.085	0.031	0.041	0.170
St3	2024	P6_dot_sex	real	pent gFemale a5 t6	0.091	0.028	0.049	0.164
St3	2024	P6_dot_sex	real	pent gFemale a6 t7	0.161	0.034	0.105	0.240
St3	2024	P6_dot_sex	real	pent gFemale a7 t8	0.040	0.026	0.011	0.134
St3	2024	P6_dot_sex	real	pent gFemale a8 t9	0.009	0.015	<0.001	0.196
St3	2024	P7_sex_sex	real	Phi gMale a0 t1	0.393	0.086	0.242	0.569
St3	2024	P7_sex_sex	real	Phi gFemale a0 t1	0.366	0.061	0.257	0.492

St3	2024	P7_sex_sex	real	p gMale a0 t1	0.387	0.132	0.175	0.653
St3	2024	P7_sex_sex	real	p gFemale a0 t1	0.448	0.109	0.255	0.658
St3	2024	P7_sex_sex	real	N gMale a0 t1	169.194	41.102	119.288	293.919
St3	2024	P7_sex_sex	real	N gFemale a0 t1	185.478	34.320	140.900	283.909
St3	2024	P7_sex_sex	real	pent gMale a1 t2	0.103	0.034	0.052	0.192
St3	2024	P7_sex_sex	real	pent gMale a2 t3	0.032	0.023	0.008	0.126
St3	2024	P7_sex_sex	real	pent gMale a3 t4	0.213	0.038	0.147	0.297
St3	2024	P7_sex_sex	real	pent gMale a4 t5	0.085	0.032	0.041	0.171
St3	2024	P7_sex_sex	real	pent gMale a5 t6	0.091	0.029	0.048	0.165
St3	2024	P7_sex_sex	real	pent gMale a6 t7	0.162	0.035	0.105	0.243
St3	2024	P7_sex_sex	real	pent gMale a7 t8	0.039	0.026	0.010	0.138
St3	2024	P7_sex_sex	real	pent gMale a8 t9	0.008	0.016	<0.001	0.307
St3	2024	P7_sex_sex	real	pent gFemale a1 t2	0.103	0.034	0.052	0.192
St3	2024	P7_sex_sex	real	pent gFemale a2 t3	0.032	0.023	0.008	0.126
St3	2024	P7_sex_sex	real	pent gFemale a3 t4	0.213	0.038	0.147	0.297
St3	2024	P7_sex_sex	real	pent gFemale a4 t5	0.085	0.032	0.041	0.171
St3	2024	P7_sex_sex	real	pent gFemale a5 t6	0.091	0.029	0.048	0.165
St3	2024	P7_sex_sex	real	pent gFemale a6 t7	0.162	0.035	0.105	0.243
St3	2024	P7_sex_sex	real	pent gFemale a7 t8	0.039	0.026	0.010	0.138
St3	2024	P7_sex_sex	real	pent gFemale a8 t9	0.008	0.016	<0.001	0.307
St3	2024	P8_timeSex_timeSex	real	Phi gMale a0 t1	0.397	0.216	0.101	0.795
St3	2024	P8_timeSex_timeSex	real	Phi gMale a1 t2	0.201	0.404	0.002	0.972
St3	2024	P8_timeSex_timeSex	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St3	2024	P8_timeSex_timeSex	real	Phi gMale a3 t4	1	<0.001	1	1
St3	2024	P8_timeSex_timeSex	real	Phi gMale a4 t5	0.369	0.723	0.001	0.996
St3	2024	P8_timeSex_timeSex	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St3	2024	P8_timeSex_timeSex	real	Phi gMale a6 t7	0.575	0.308	0.103	0.941
St3	2024	P8_timeSex_timeSex	real	Phi gMale a7 t8	0.211	0.109	0.069	0.490
St3	2024	P8_timeSex_timeSex	real	Phi gFemale a0 t1	0.362	0.219	0.081	0.784
St3	2024	P8_timeSex_timeSex	real	Phi gFemale a1 t2	0.178	0.305	0.004	0.928
St3	2024	P8_timeSex_timeSex	real	Phi gFemale a2 t3	<0.001	<0.001	<0.001	<0.001
St3	2024	P8_timeSex_timeSex	real	Phi gFemale a3 t4	1	<0.001	1	1
St3	2024	P8_timeSex_timeSex	real	Phi gFemale a4 t5	0.335	0.586	0.003	0.989
St3	2024	P8_timeSex_timeSex	real	Phi gFemale a5 t6	<0.001	<0.001	<0.001	<0.001
St3	2024	P8_timeSex_timeSex	real	Phi gFemale a6 t7	0.538	0.283	0.111	0.916
St3	2024	P8_timeSex_timeSex	real	Phi gFemale a7 t8	0.187	0.116	0.049	0.507
St3	2024	P8_timeSex_timeSex	real	p gMale a0 t1	0.569	0.759	0.003	0.998
St3	2024	P8_timeSex_timeSex	real	p gMale a1 t2	0.299	0.205	0.059	0.743
St3	2024	P8_timeSex_timeSex	real	p gMale a2 t3	0.917	2.046	<0.001	1
St3	2024	P8_timeSex_timeSex	real	p gMale a3 t4	0.531	0.903	0.001	0.999
St3	2024	P8_timeSex_timeSex	real	p gMale a4 t5	0.250	0.091	0.113	0.464
St3	2024	P8_timeSex_timeSex	real	p gMale a5 t6	0.601	1.231	<0.001	1.000
St3	2024	P8_timeSex_timeSex	real	p gMale a6 t7	0.723	1.198	<0.001	1.000
St3	2024	P8_timeSex_timeSex	real	p gMale a7 t8	0.282	0.142	0.091	0.607
St3	2024	P8_timeSex_timeSex	real	p gMale a8 t9	1	<0.001	1	1
St3	2024	P8_timeSex_timeSex	real	p gFemale a0 t1	0.659	0.663	0.006	0.998
St3	2024	P8_timeSex_timeSex	real	p gFemale a1 t2	0.384	0.223	0.089	0.799
St3	2024	P8_timeSex_timeSex	real	p gFemale a2 t3	0.942	1.463	<0.001	1
St3	2024	P8_timeSex_timeSex	real	p gFemale a3 t4	0.623	0.855	0.001	1.000
St3	2024	P8_timeSex_timeSex	real	p gFemale a4 t5	0.328	0.092	0.177	0.524
St3	2024	P8_timeSex_timeSex	real	p gFemale a5 t6	0.689	1.084	<0.001	1.000
St3	2024	P8_timeSex_timeSex	real	p gFemale a6 t7	0.793	0.968	<0.001	1.000
St3	2024	P8_timeSex_timeSex	real	p gFemale a7 t8	0.366	0.176	0.115	0.718
St3	2024	P8_timeSex_timeSex	real	p gFemale a8 t9	1	<0.001	1	1
St3	2024	P8_timeSex_timeSex	real	N gMale a0 t1	147.076	51.314	100.581	341.829
St3	2024	P8_timeSex_timeSex	real	N gFemale a0 t1	159.513	34.460	122.131	273.966
St3	2024	P8_timeSex_timeSex	real	pent gMale a1 t2	0.194	0.144	0.038	0.595
St3	2024	P8_timeSex_timeSex	real	pent gMale a2 t3	0.008	0.031	<0.001	0.946
St3	2024	P8_timeSex_timeSex	real	pent gMale a3 t4	0.192	0.288	0.006	0.900

St3	2024	P8_timeSex_timeSex	real	pent gMale a4 t5	0.145	0.296	0.002	0.948
St3	2024	P8_timeSex_timeSex	real	pent gMale a5 t6	0.033	0.059	0.001	0.561
St3	2024	P8_timeSex_timeSex	real	pent gMale a6 t7	0.121	0.162	0.007	0.734
St3	2024	P8_timeSex_timeSex	real	pent gMale a7 t8	0.096	0.120	0.007	0.614
St3	2024	P8_timeSex_timeSex	real	pent gMale a8 t9	<0.001	<0.001	<0.001	<0.001
St3	2024	P8_timeSex_timeSex	real	pent gFemale a1 t2	0.194	0.144	0.038	0.595
St3	2024	P8_timeSex_timeSex	real	pent gFemale a2 t3	0.008	0.031	<0.001	0.946
St3	2024	P8_timeSex_timeSex	real	pent gFemale a3 t4	0.192	0.288	0.006	0.900
St3	2024	P8_timeSex_timeSex	real	pent gFemale a4 t5	0.145	0.296	0.002	0.948
St3	2024	P8_timeSex_timeSex	real	pent gFemale a5 t6	0.033	0.059	0.001	0.561
St3	2024	P8_timeSex_timeSex	real	pent gFemale a6 t7	0.121	0.162	0.007	0.734
St3	2024	P8_timeSex_timeSex	real	pent gFemale a7 t8	0.096	0.120	0.007	0.614
St3	2024	P8_timeSex_timeSex	real	pent gFemale a8 t9	<0.001	<0.001	<0.001	<0.001
St4	2022	P1_dot_dot	real	Phi gMale a0 t1	0.450	0.053	0.349	0.555
St4	2022	P1_dot_dot	real	p gMale a0 t1	0.475	0.088	0.311	0.645
St4	2022	P1_dot_dot	real	N gMale a0 t1	110.072	15.454	88.949	152.493
St4	2022	P1_dot_dot	real	N gFemale a0 t1	110.072	15.454	88.949	152.493
St4	2022	P1_dot_dot	real	pent gMale a1 t2	0.069	0.033	0.027	0.167
St4	2022	P1_dot_dot	real	pent gMale a2 t3	0.042	0.026	0.012	0.136
St4	2022	P1_dot_dot	real	pent gMale a3 t4	0.375	0.058	0.270	0.493
St4	2022	P1_dot_dot	real	pent gMale a4 t5	0.060	0.045	0.013	0.232
St4	2022	P1_dot_dot	real	pent gMale a5 t6	0.097	0.036	0.046	0.193
St4	2022	P1_dot_dot	real	pent gMale a6 t7	0.140	0.040	0.079	0.237
St4	2022	P1_dot_dot	real	pent gMale a7 t8	0.036	0.029	0.007	0.165
St4	2022	P1_dot_dot	real	pent gMale a8 t9	0.029	0.022	0.007	0.121
St4	2022	P1_dot_dot	real	pent gFemale a1 t2	0.069	0.033	0.027	0.167
St4	2022	P1_dot_dot	real	pent gFemale a2 t3	0.042	0.026	0.012	0.136
St4	2022	P1_dot_dot	real	pent gFemale a3 t4	0.375	0.058	0.270	0.493
St4	2022	P1_dot_dot	real	pent gFemale a4 t5	0.060	0.045	0.013	0.232
St4	2022	P1_dot_dot	real	pent gFemale a5 t6	0.097	0.036	0.046	0.193
St4	2022	P1_dot_dot	real	pent gFemale a6 t7	0.140	0.040	0.079	0.237
St4	2022	P1_dot_dot	real	pent gFemale a7 t8	0.036	0.029	0.007	0.165
St4	2022	P1_dot_dot	real	pent gFemale a8 t9	0.029	0.022	0.007	0.121
St4	2022	P2_time_dot	real	Phi gMale a0 t1	0.824	0.301	0.074	0.996
St4	2022	P2_time_dot	real	Phi gMale a1 t2	0.326	0.188	0.083	0.721
St4	2022	P2_time_dot	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St4	2022	P2_time_dot	real	Phi gMale a3 t4	0.834	0.134	0.429	0.971
St4	2022	P2_time_dot	real	Phi gMale a4 t5	0.774	0.217	0.231	0.975
St4	2022	P2_time_dot	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St4	2022	P2_time_dot	real	Phi gMale a6 t7	0.786	0.192	0.281	0.972
St4	2022	P2_time_dot	real	Phi gMale a7 t8	0.707	0.287	0.138	0.973
St4	2022	P2_time_dot	real	p gMale a0 t1	0.385	0.070	0.260	0.528
St4	2022	P2_time_dot	real	N gMale a0 t1	109.710	12.544	91.429	142.254
St4	2022	P2_time_dot	real	N gFemale a0 t1	109.710	12.544	91.429	142.253
St4	2022	P2_time_dot	real	pent gMale a1 t2	0.033	0.059	0.001	0.555
St4	2022	P2_time_dot	real	pent gMale a2 t3	0.056	0.034	0.016	0.175
St4	2022	P2_time_dot	real	pent gMale a3 t4	0.445	0.065	0.323	0.573
St4	2022	P2_time_dot	real	pent gMale a4 t5	<0.001	<0.001	<0.001	<0.001
St4	2022	P2_time_dot	real	pent gMale a5 t6	0.055	0.060	0.006	0.362
St4	2022	P2_time_dot	real	pent gMale a6 t7	0.207	0.044	0.134	0.306
St4	2022	P2_time_dot	real	pent gMale a7 t8	<0.001	<0.001	<0.001	1
St4	2022	P2_time_dot	real	pent gMale a8 t9	0.015	0.034	<0.001	0.592
St4	2022	P2_time_dot	real	pent gFemale a1 t2	0.033	0.059	0.001	0.555
St4	2022	P2_time_dot	real	pent gFemale a2 t3	0.056	0.034	0.016	0.175
St4	2022	P2_time_dot	real	pent gFemale a3 t4	0.445	0.065	0.323	0.573
St4	2022	P2_time_dot	real	pent gFemale a4 t5	<0.001	<0.001	<0.001	<0.001
St4	2022	P2_time_dot	real	pent gFemale a5 t6	0.055	0.060	0.006	0.362
St4	2022	P2_time_dot	real	pent gFemale a6 t7	0.207	0.044	0.134	0.306
St4	2022	P2_time_dot	real	pent gFemale a7 t8	<0.001	<0.001	<0.001	1

St4	2022	P2_time_dot	real	pent gFemale a8 t9	0.015	0.034	<0.001	0.592
St4	2022	P3_dot_time	real	Phi gMale a0 t1	0.418	0.055	0.317	0.528
St4	2022	P3_dot_time	real	p gMale a0 t1	1.000	0.004	<0.001	1
St4	2022	P3_dot_time	real	p gMale a1 t2	0.663	0.191	0.269	0.913
St4	2022	P3_dot_time	real	p gMale a2 t3	0.451	0.193	0.151	0.791
St4	2022	P3_dot_time	real	p gMale a3 t4	0.310	0.079	0.179	0.481
St4	2022	P3_dot_time	real	p gMale a4 t5	0.453	0.110	0.258	0.665
St4	2022	P3_dot_time	real	p gMale a5 t6	0.956	0.251	<0.001	1.000
St4	2022	P3_dot_time	real	p gMale a6 t7	0.193	0.063	0.098	0.345
St4	2022	P3_dot_time	real	p gMale a7 t8	0.327	0.117	0.146	0.579
St4	2022	P3_dot_time	real	p gMale a8 t9	0.660	0.290	0.133	0.961
St4	2022	P3_dot_time	real	N gMale a0 t1	130.421	19.067	102.762	180.088
St4	2022	P3_dot_time	real	N gFemale a0 t1	130.421	19.067	102.762	180.088
St4	2022	P3_dot_time	real	pent gMale a1 t2	0.064	0.023	0.031	0.125
St4	2022	P3_dot_time	real	pent gMale a2 t3	0.050	0.017	0.026	0.095
St4	2022	P3_dot_time	real	pent gMale a3 t4	0.480	0.085	0.322	0.642
St4	2022	P3_dot_time	real	pent gMale a4 t5	<0.001	<0.001	<0.001	<0.001
St4	2022	P3_dot_time	real	pent gMale a5 t6	0.024	0.026	0.003	0.175
St4	2022	P3_dot_time	real	pent gMale a6 t7	0.321	0.071	0.201	0.472
St4	2022	P3_dot_time	real	pent gMale a7 t8	<0.001	<0.001	<0.001	<0.001
St4	2022	P3_dot_time	real	pent gMale a8 t9	<0.001	<0.001	<0.001	<0.001
St4	2022	P3_dot_time	real	pent gFemale a1 t2	0.064	0.023	0.031	0.125
St4	2022	P3_dot_time	real	pent gFemale a2 t3	0.050	0.017	0.026	0.095
St4	2022	P3_dot_time	real	pent gFemale a3 t4	0.480	0.085	0.322	0.642
St4	2022	P3_dot_time	real	pent gFemale a4 t5	<0.001	<0.001	<0.001	<0.001
St4	2022	P3_dot_time	real	pent gFemale a5 t6	0.024	0.026	0.003	0.175
St4	2022	P3_dot_time	real	pent gFemale a6 t7	0.321	0.071	0.201	0.472
St4	2022	P3_dot_time	real	pent gFemale a7 t8	<0.001	<0.001	<0.001	<0.001
St4	2022	P3_dot_time	real	pent gFemale a8 t9	<0.001	<0.001	<0.001	<0.001
St4	2022	P4_time_time	real	Phi gMale a0 t1	0.710	0.444	0.035	0.994
St4	2022	P4_time_time	real	Phi gMale a1 t2	0.135	0.083	0.037	0.387
St4	2022	P4_time_time	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St4	2022	P4_time_time	real	Phi gMale a3 t4	1	<0.001	1	1
St4	2022	P4_time_time	real	Phi gMale a4 t5	0.265	0.059	0.167	0.394
St4	2022	P4_time_time	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St4	2022	P4_time_time	real	Phi gMale a6 t7	0.926	0.444	<0.001	1.000
St4	2022	P4_time_time	real	Phi gMale a7 t8	0.245	0.117	0.086	0.528
St4	2022	P4_time_time	real	p gMale a0 t1	1.000	<0.001	<0.001	1
St4	2022	P4_time_time	real	p gMale a1 t2	0.454	0.301	0.072	0.900
St4	2022	P4_time_time	real	p gMale a2 t3	1	<0.001	1	1
St4	2022	P4_time_time	real	p gMale a3 t4	1.000	<0.001	<0.001	1
St4	2022	P4_time_time	real	p gMale a4 t5	0.302	0.071	0.182	0.456
St4	2022	P4_time_time	real	p gMale a5 t6	1	<0.001	1.000	1.000
St4	2022	P4_time_time	real	p gMale a6 t7	1.000	0.047	<0.001	1
St4	2022	P4_time_time	real	p gMale a7 t8	0.311	0.181	0.080	0.702
St4	2022	P4_time_time	real	p gMale a8 t9	1.000	0.001	<0.001	1
St4	2022	P4_time_time	real	N gMale a0 t1	93.057	13.147	77.532	133.870
St4	2022	P4_time_time	real	N gFemale a0 t1	93.058	13.147	77.532	133.871
St4	2022	P4_time_time	real	pent gMale a1 t2	0.128	0.082	0.034	0.381
St4	2022	P4_time_time	real	pent gMale a2 t3	0.028	0.019	0.007	0.103
St4	2022	P4_time_time	real	pent gMale a3 t4	0.220	0.042	0.148	0.314
St4	2022	P4_time_time	real	pent gMale a4 t5	0.278	0.081	0.149	0.459
St4	2022	P4_time_time	real	pent gMale a5 t6	0.024	0.033	0.002	0.278
St4	2022	P4_time_time	real	pent gMale a6 t7	0.097	0.026	0.057	0.160
St4	2022	P4_time_time	real	pent gMale a7 t8	0.135	0.081	0.039	0.377
St4	2022	P4_time_time	real	pent gMale a8 t9	0.004	0.022	<0.001	0.993
St4	2022	P4_time_time	real	pent gFemale a1 t2	0.128	0.082	0.034	0.381
St4	2022	P4_time_time	real	pent gFemale a2 t3	0.028	0.019	0.007	0.103
St4	2022	P4_time_time	real	pent gFemale a3 t4	0.220	0.042	0.148	0.314

St4	2022	P4_time_time	real	pent gFemale a4 t5	0.278	0.081	0.149	0.459
St4	2022	P4_time_time	real	pent gFemale a5 t6	0.024	0.033	0.002	0.278
St4	2022	P4_time_time	real	pent gFemale a6 t7	0.097	0.026	0.057	0.160
St4	2022	P4_time_time	real	pent gFemale a7 t8	0.135	0.081	0.039	0.377
St4	2022	P4_time_time	real	pent gFemale a8 t9	0.004	0.022	<0.001	0.993
St4	2022	P5_sex_dot	real	Phi gMale a0 t1	0.448	0.068	0.322	0.581
St4	2022	P5_sex_dot	real	Phi gFemale a0 t1	0.451	0.066	0.328	0.581
St4	2022	P5_sex_dot	real	p gMale a0 t1	0.475	0.088	0.311	0.645
St4	2022	P5_sex_dot	real	N gMale a0 t1	110.169	15.722	88.792	153.523
St4	2022	P5_sex_dot	real	N gFemale a0 t1	109.963	15.712	88.632	153.346
St4	2022	P5_sex_dot	real	pent gMale a1 t2	0.069	0.033	0.026	0.167
St4	2022	P5_sex_dot	real	pent gMale a2 t3	0.042	0.026	0.012	0.136
St4	2022	P5_sex_dot	real	pent gMale a3 t4	0.375	0.058	0.270	0.493
St4	2022	P5_sex_dot	real	pent gMale a4 t5	0.060	0.045	0.013	0.233
St4	2022	P5_sex_dot	real	pent gMale a5 t6	0.097	0.036	0.046	0.193
St4	2022	P5_sex_dot	real	pent gMale a6 t7	0.140	0.040	0.079	0.237
St4	2022	P5_sex_dot	real	pent gMale a7 t8	0.036	0.029	0.007	0.165
St4	2022	P5_sex_dot	real	pent gMale a8 t9	0.029	0.022	0.007	0.121
St4	2022	P5_sex_dot	real	pent gFemale a1 t2	0.069	0.033	0.026	0.167
St4	2022	P5_sex_dot	real	pent gFemale a2 t3	0.042	0.026	0.012	0.136
St4	2022	P5_sex_dot	real	pent gFemale a3 t4	0.375	0.058	0.270	0.493
St4	2022	P5_sex_dot	real	pent gFemale a4 t5	0.060	0.045	0.013	0.233
St4	2022	P5_sex_dot	real	pent gFemale a5 t6	0.097	0.036	0.046	0.193
St4	2022	P5_sex_dot	real	pent gFemale a6 t7	0.140	0.040	0.079	0.237
St4	2022	P5_sex_dot	real	pent gFemale a7 t8	0.036	0.029	0.007	0.165
St4	2022	P5_sex_dot	real	pent gFemale a8 t9	0.029	0.022	0.007	0.121
St4	2022	P6_dot_sex	real	Phi gMale a0 t1	0.447	0.053	0.347	0.552
St4	2022	P6_dot_sex	real	p gMale a0 t1	0.527	0.121	0.300	0.743
St4	2022	P6_dot_sex	real	p gFemale a0 t1	0.437	0.101	0.258	0.634
St4	2022	P6_dot_sex	real	N gMale a0 t1	102.282	17.142	81.582	154.535
St4	2022	P6_dot_sex	real	N gFemale a0 t1	117.382	20.945	90.251	177.594
St4	2022	P6_dot_sex	real	pent gMale a1 t2	0.068	0.032	0.026	0.164
St4	2022	P6_dot_sex	real	pent gMale a2 t3	0.044	0.026	0.013	0.134
St4	2022	P6_dot_sex	real	pent gMale a3 t4	0.374	0.058	0.270	0.492
St4	2022	P6_dot_sex	real	pent gMale a4 t5	0.059	0.044	0.013	0.231
St4	2022	P6_dot_sex	real	pent gMale a5 t6	0.098	0.036	0.047	0.193
St4	2022	P6_dot_sex	real	pent gMale a6 t7	0.138	0.039	0.078	0.234
St4	2022	P6_dot_sex	real	pent gMale a7 t8	0.037	0.029	0.008	0.158
St4	2022	P6_dot_sex	real	pent gMale a8 t9	0.030	0.022	0.007	0.118
St4	2022	P6_dot_sex	real	pent gFemale a1 t2	0.068	0.032	0.026	0.164
St4	2022	P6_dot_sex	real	pent gFemale a2 t3	0.044	0.026	0.013	0.134
St4	2022	P6_dot_sex	real	pent gFemale a3 t4	0.374	0.058	0.270	0.492
St4	2022	P6_dot_sex	real	pent gFemale a4 t5	0.059	0.044	0.013	0.231
St4	2022	P6_dot_sex	real	pent gFemale a5 t6	0.098	0.036	0.047	0.193
St4	2022	P6_dot_sex	real	pent gFemale a6 t7	0.138	0.039	0.078	0.234
St4	2022	P6_dot_sex	real	pent gFemale a7 t8	0.037	0.029	0.008	0.158
St4	2022	P6_dot_sex	real	pent gFemale a8 t9	0.030	0.022	0.007	0.118
St4	2022	P7_sex_sex	real	Phi gMale a0 t1	0.426	0.071	0.296	0.566
St4	2022	P7_sex_sex	real	Phi gFemale a0 t1	0.467	0.070	0.336	0.603
St4	2022	P7_sex_sex	real	p gMale a0 t1	0.547	0.131	0.301	0.773
St4	2022	P7_sex_sex	real	p gFemale a0 t1	0.423	0.104	0.241	0.628
St4	2022	P7_sex_sex	real	N gMale a0 t1	100.646	17.034	80.478	153.412
St4	2022	P7_sex_sex	real	N gFemale a0 t1	118.664	21.411	90.890	180.139
St4	2022	P7_sex_sex	real	pent gMale a1 t2	0.067	0.032	0.026	0.163
St4	2022	P7_sex_sex	real	pent gMale a2 t3	0.045	0.026	0.014	0.133
St4	2022	P7_sex_sex	real	pent gMale a3 t4	0.375	0.057	0.270	0.492
St4	2022	P7_sex_sex	real	pent gMale a4 t5	0.058	0.044	0.013	0.231
St4	2022	P7_sex_sex	real	pent gMale a5 t6	0.098	0.035	0.047	0.193
St4	2022	P7_sex_sex	real	pent gMale a6 t7	0.136	0.039	0.076	0.232

St4	2022	P7_sex_sex	real	pent gMale a7 t8	0.039	0.029	0.009	0.153
St4	2022	P7_sex_sex	real	pent gMale a8 t9	0.030	0.022	0.007	0.117
St4	2022	P7_sex_sex	real	pent gFemale a1 t2	0.067	0.032	0.026	0.163
St4	2022	P7_sex_sex	real	pent gFemale a2 t3	0.045	0.026	0.014	0.133
St4	2022	P7_sex_sex	real	pent gFemale a3 t4	0.375	0.057	0.270	0.492
St4	2022	P7_sex_sex	real	pent gFemale a4 t5	0.058	0.044	0.013	0.231
St4	2022	P7_sex_sex	real	pent gFemale a5 t6	0.098	0.035	0.047	0.193
St4	2022	P7_sex_sex	real	pent gFemale a6 t7	0.136	0.039	0.076	0.232
St4	2022	P7_sex_sex	real	pent gFemale a7 t8	0.039	0.029	0.009	0.153
St4	2022	P7_sex_sex	real	pent gFemale a8 t9	0.030	0.022	0.007	0.117
St4	2022	P8_timeSex_timeSex	real	Phi gMale a0 t1	0.752	0.457	0.024	0.997
St4	2022	P8_timeSex_timeSex	real	Phi gMale a1 t2	0.145	0.091	0.039	0.418
St4	2022	P8_timeSex_timeSex	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St4	2022	P8_timeSex_timeSex	real	Phi gMale a3 t4	1	<0.001	1	1
St4	2022	P8_timeSex_timeSex	real	Phi gMale a4 t5	0.281	0.073	0.161	0.444
St4	2022	P8_timeSex_timeSex	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St4	2022	P8_timeSex_timeSex	real	Phi gMale a6 t7	1	<0.001	1.000	1.000
St4	2022	P8_timeSex_timeSex	real	Phi gMale a7 t8	0.248	0.094	0.109	0.471
St4	2022	P8_timeSex_timeSex	real	Phi gFemale a0 t1	0.721	0.483	0.023	0.996
St4	2022	P8_timeSex_timeSex	real	Phi gFemale a1 t2	0.126	0.082	0.032	0.383
St4	2022	P8_timeSex_timeSex	real	Phi gFemale a2 t3	<0.001	<0.001	<0.001	<0.001
St4	2022	P8_timeSex_timeSex	real	Phi gFemale a3 t4	1	<0.001	1	1
St4	2022	P8_timeSex_timeSex	real	Phi gFemale a4 t5	0.249	0.069	0.139	0.406
St4	2022	P8_timeSex_timeSex	real	Phi gFemale a5 t6	<0.001	<0.001	<0.001	<0.001
St4	2022	P8_timeSex_timeSex	real	Phi gFemale a6 t7	1	<0.001	1.000	1.000
St4	2022	P8_timeSex_timeSex	real	Phi gFemale a7 t8	0.219	0.088	0.093	0.435
St4	2022	P8_timeSex_timeSex	real	p gMale a0 t1	1.000	0.001	<0.001	1
St4	2022	P8_timeSex_timeSex	real	p gMale a1 t2	0.415	0.296	0.061	0.886
St4	2022	P8_timeSex_timeSex	real	p gMale a2 t3	1	<0.001	1	1
St4	2022	P8_timeSex_timeSex	real	p gMale a3 t4	1.000	<0.001	<0.001	1
St4	2022	P8_timeSex_timeSex	real	p gMale a4 t5	0.286	0.079	0.158	0.462
St4	2022	P8_timeSex_timeSex	real	p gMale a5 t6	1.000	<0.001	<0.001	1
St4	2022	P8_timeSex_timeSex	real	p gMale a6 t7	0.381	0.136	0.165	0.656
St4	2022	P8_timeSex_timeSex	real	p gMale a7 t8	0.273	0.107	0.116	0.519
St4	2022	P8_timeSex_timeSex	real	p gMale a8 t9	1.000	0.030	<0.001	1
St4	2022	P8_timeSex_timeSex	real	p gFemale a0 t1	1.000	0.001	<0.001	1
St4	2022	P8_timeSex_timeSex	real	p gFemale a1 t2	0.450	0.305	0.068	0.902
St4	2022	P8_timeSex_timeSex	real	p gFemale a2 t3	1	<0.001	1	1
St4	2022	P8_timeSex_timeSex	real	p gFemale a3 t4	1	<0.001	<0.001	1
St4	2022	P8_timeSex_timeSex	real	p gFemale a4 t5	0.316	0.082	0.180	0.493
St4	2022	P8_timeSex_timeSex	real	p gFemale a5 t6	1.000	<0.001	<0.001	1
St4	2022	P8_timeSex_timeSex	real	p gFemale a6 t7	0.415	0.144	0.182	0.693
St4	2022	P8_timeSex_timeSex	real	p gFemale a7 t8	0.302	0.116	0.128	0.559
St4	2022	P8_timeSex_timeSex	real	p gFemale a8 t9	1.000	0.026	<0.001	1
St4	2022	P8_timeSex_timeSex	real	N gMale a0 t1	95.042	13.100	78.996	134.505
St4	2022	P8_timeSex_timeSex	real	N gFemale a0 t1	94.074	13.303	78.157	134.934
St4	2022	P8_timeSex_timeSex	real	pent gMale a1 t2	0.133	0.088	0.034	0.406
St4	2022	P8_timeSex_timeSex	real	pent gMale a2 t3	0.026	0.020	0.006	0.111
St4	2022	P8_timeSex_timeSex	real	pent gMale a3 t4	0.217	0.041	0.148	0.306
St4	2022	P8_timeSex_timeSex	real	pent gMale a4 t5	0.274	0.079	0.147	0.452
St4	2022	P8_timeSex_timeSex	real	pent gMale a5 t6	0.023	0.032	0.002	0.270
St4	2022	P8_timeSex_timeSex	real	pent gMale a6 t7	0.240	0.067	0.133	0.393
St4	2022	P8_timeSex_timeSex	real	pent gMale a7 t8	<0.001	0.001	<0.001	1
St4	2022	P8_timeSex_timeSex	real	pent gMale a8 t9	0.002	0.021	<0.001	1.000
St4	2022	P8_timeSex_timeSex	real	pent gFemale a1 t2	0.133	0.088	0.034	0.406
St4	2022	P8_timeSex_timeSex	real	pent gFemale a2 t3	0.026	0.020	0.006	0.111
St4	2022	P8_timeSex_timeSex	real	pent gFemale a3 t4	0.217	0.041	0.148	0.306
St4	2022	P8_timeSex_timeSex	real	pent gFemale a4 t5	0.274	0.079	0.147	0.452
St4	2022	P8_timeSex_timeSex	real	pent gFemale a5 t6	0.023	0.032	0.002	0.270

St4	2022	P8_timeSex_timeSex	real	pent gFemale a6 t7	0.240	0.067	0.133	0.393
St4	2022	P8_timeSex_timeSex	real	pent gFemale a7 t8	<0.001	0.001	<0.001	1
St4	2022	P8_timeSex_timeSex	real	pent gFemale a8 t9	0.002	0.021	<0.001	1.000
St4	2023	P1_dot_dot	real	Phi gMale a0 t1	0.410	0.066	0.289	0.543
St4	2023	P1_dot_dot	real	p gMale a0 t1	0.401	0.098	0.231	0.598
St4	2023	P1_dot_dot	real	N gMale a0 t1	125.321	24.048	93.415	193.051
St4	2023	P1_dot_dot	real	N gFemale a0 t1	133.064	25.376	99.314	204.388
St4	2023	P1_dot_dot	real	pent gMale a1 t2	0.080	0.034	0.034	0.177
St4	2023	P1_dot_dot	real	pent gMale a2 t3	0.106	0.036	0.054	0.199
St4	2023	P1_dot_dot	real	pent gMale a3 t4	0.073	0.033	0.029	0.169
St4	2023	P1_dot_dot	real	pent gMale a4 t5	0.113	0.033	0.063	0.195
St4	2023	P1_dot_dot	real	pent gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St4	2023	P1_dot_dot	real	pent gMale a6 t7	0.290	0.052	0.199	0.401
St4	2023	P1_dot_dot	real	pent gMale a7 t8	0.129	0.046	0.062	0.248
St4	2023	P1_dot_dot	real	pent gMale a8 t9	0.065	0.035	0.022	0.178
St4	2023	P1_dot_dot	real	pent gFemale a1 t2	0.080	0.034	0.034	0.177
St4	2023	P1_dot_dot	real	pent gFemale a2 t3	0.106	0.036	0.054	0.199
St4	2023	P1_dot_dot	real	pent gFemale a3 t4	0.073	0.033	0.029	0.169
St4	2023	P1_dot_dot	real	pent gFemale a4 t5	0.113	0.033	0.063	0.195
St4	2023	P1_dot_dot	real	pent gFemale a5 t6	<0.001	<0.001	<0.001	<0.001
St4	2023	P1_dot_dot	real	pent gFemale a6 t7	0.290	0.052	0.199	0.401
St4	2023	P1_dot_dot	real	pent gFemale a7 t8	0.129	0.046	0.062	0.248
St4	2023	P1_dot_dot	real	pent gFemale a8 t9	0.065	0.035	0.022	0.178
St4	2023	P2_time_dot	real	Phi gMale a0 t1	0.675	0.320	0.106	0.973
St4	2023	P2_time_dot	real	Phi gMale a1 t2	0.689	0.352	0.082	0.982
St4	2023	P2_time_dot	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St4	2023	P2_time_dot	real	Phi gMale a3 t4	0.569	0.380	0.060	0.965
St4	2023	P2_time_dot	real	Phi gMale a4 t5	0.308	0.146	0.104	0.630
St4	2023	P2_time_dot	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St4	2023	P2_time_dot	real	Phi gMale a6 t7	0.967	0.183	<0.001	1.000
St4	2023	P2_time_dot	real	Phi gMale a7 t8	0.790	0.187	0.293	0.971
St4	2023	P2_time_dot	real	p gMale a0 t1	0.266	0.051	0.179	0.376
St4	2023	P2_time_dot	real	N gMale a0 t1	143.015	23.105	109.194	202.719
St4	2023	P2_time_dot	real	N gFemale a0 t1	151.847	24.295	116.183	214.466
St4	2023	P2_time_dot	real	pent gMale a1 t2	0.058	0.067	0.006	0.404
St4	2023	P2_time_dot	real	pent gMale a2 t3	0.100	0.062	0.028	0.301
St4	2023	P2_time_dot	real	pent gMale a3 t4	0.140	0.043	0.074	0.248
St4	2023	P2_time_dot	real	pent gMale a4 t5	0.128	0.057	0.051	0.285
St4	2023	P2_time_dot	real	pent gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St4	2023	P2_time_dot	real	pent gMale a6 t7	0.384	0.052	0.288	0.489
St4	2023	P2_time_dot	real	pent gMale a7 t8	<0.001	<0.001	<0.001	1
St4	2023	P2_time_dot	real	pent gMale a8 t9	<0.001	<0.001	<0.001	1
St4	2023	P2_time_dot	real	pent gFemale a1 t2	0.058	0.067	0.006	0.404
St4	2023	P2_time_dot	real	pent gFemale a2 t3	0.100	0.062	0.028	0.301
St4	2023	P2_time_dot	real	pent gFemale a3 t4	0.140	0.043	0.074	0.248
St4	2023	P2_time_dot	real	pent gFemale a4 t5	0.128	0.057	0.051	0.285
St4	2023	P2_time_dot	real	pent gFemale a5 t6	<0.001	<0.001	<0.001	<0.001
St4	2023	P2_time_dot	real	pent gFemale a6 t7	0.384	0.052	0.288	0.489
St4	2023	P2_time_dot	real	pent gFemale a7 t8	<0.001	<0.001	<0.001	1
St4	2023	P2_time_dot	real	pent gFemale a8 t9	<0.001	<0.001	<0.001	1
St4	2023	P3_dot_time	real	Phi gMale a0 t1	0.352	0.048	0.264	0.452
St4	2023	P3_dot_time	real	p gMale a0 t1	1.000	<0.001	1.000	1.000
St4	2023	P3_dot_time	real	p gMale a1 t2	0.159	0.061	0.072	0.315
St4	2023	P3_dot_time	real	p gMale a2 t3	0.633	0.250	0.172	0.934
St4	2023	P3_dot_time	real	p gMale a3 t4	0.076	0.039	0.027	0.196
St4	2023	P3_dot_time	real	p gMale a4 t5	0.338	0.164	0.108	0.683
St4	2023	P3_dot_time	real	p gMale a5 t6	0.294	0.195	0.062	0.724
St4	2023	P3_dot_time	real	p gMale a6 t7	0.197	0.061	0.103	0.342
St4	2023	P3_dot_time	real	p gMale a7 t8	0.486	0.133	0.249	0.729

St4	2023	P3_dot_time	real	p gMale a8 t9	1	<0.001	<0.001	1
St4	2023	P3_dot_time	real	N gMale a0 t1	185.296	39.066	129.672	288.762
St4	2023	P3_dot_time	real	N gFemale a0 t1	196.724	41.613	137.533	307.035
St4	2023	P3_dot_time	real	pent gMale a1 t2	0.196	0.056	0.108	0.329
St4	2023	P3_dot_time	real	pent gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St4	2023	P3_dot_time	real	pent gMale a3 t4	0.355	0.114	0.172	0.593
St4	2023	P3_dot_time	real	pent gMale a4 t5	<0.001	<0.001	<0.001	<0.001
St4	2023	P3_dot_time	real	pent gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St4	2023	P3_dot_time	real	pent gMale a6 t7	0.400	0.094	0.236	0.589
St4	2023	P3_dot_time	real	pent gMale a7 t8	<0.001	<0.001	<0.001	<0.001
St4	2023	P3_dot_time	real	pent gMale a8 t9	0.011	0.016	0.001	0.183
St4	2023	P3_dot_time	real	pent gFemale a1 t2	0.196	0.056	0.108	0.329
St4	2023	P3_dot_time	real	pent gFemale a2 t3	<0.001	<0.001	<0.001	<0.001
St4	2023	P3_dot_time	real	pent gFemale a3 t4	0.355	0.114	0.172	0.593
St4	2023	P3_dot_time	real	pent gFemale a4 t5	<0.001	<0.001	<0.001	<0.001
St4	2023	P3_dot_time	real	pent gFemale a5 t6	<0.001	<0.001	<0.001	<0.001
St4	2023	P3_dot_time	real	pent gFemale a6 t7	0.400	0.094	0.236	0.589
St4	2023	P3_dot_time	real	pent gFemale a7 t8	<0.001	<0.001	<0.001	<0.001
St4	2023	P3_dot_time	real	pent gFemale a8 t9	0.011	0.016	0.001	0.183
St4	2023	P4_time_time	real	Phi gMale a0 t1	1	<0.001	1	1
St4	2023	P4_time_time	real	Phi gMale a1 t2	0.375	23.997	<0.001	1
St4	2023	P4_time_time	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St4	2023	P4_time_time	real	Phi gMale a3 t4	0.182	0.116	0.046	0.507
St4	2023	P4_time_time	real	Phi gMale a4 t5	0.118	0.078	0.030	0.368
St4	2023	P4_time_time	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St4	2023	P4_time_time	real	Phi gMale a6 t7	1	<0.001	1	1
St4	2023	P4_time_time	real	Phi gMale a7 t8	0.463	28.949	<0.001	1
St4	2023	P4_time_time	real	p gMale a0 t1	0.993	13.399	<0.001	1
St4	2023	P4_time_time	real	p gMale a1 t2	0.103	0.046	0.041	0.235
St4	2023	P4_time_time	real	p gMale a2 t3	0.381	24.384	<0.001	1
St4	2023	P4_time_time	real	p gMale a3 t4	1.000	0.145	<0.001	1
St4	2023	P4_time_time	real	p gMale a4 t5	1	<0.001	1	1
St4	2023	P4_time_time	real	p gMale a5 t6	1.000	<0.001	1.000	1.000
St4	2023	P4_time_time	real	p gMale a6 t7	0.746	15.781	<0.001	1
St4	2023	P4_time_time	real	p gMale a7 t8	0.266	0.059	0.167	0.396
St4	2023	P4_time_time	real	p gMale a8 t9	0.456	28.499	<0.001	1
St4	2023	P4_time_time	real	N gMale a0 t1	127.964	25.226	94.557	199.127
St4	2023	P4_time_time	real	N gFemale a0 t1	135.869	26.625	100.528	210.828
St4	2023	P4_time_time	real	pent gMale a1 t2	0.420	0.779	0.001	0.997
St4	2023	P4_time_time	real	pent gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St4	2023	P4_time_time	real	pent gMale a3 t4	0.042	0.016	0.020	0.086
St4	2023	P4_time_time	real	pent gMale a4 t5	0.057	0.018	0.030	0.104
St4	2023	P4_time_time	real	pent gMale a5 t6	0.011	0.007	0.003	0.037
St4	2023	P4_time_time	real	pent gMale a6 t7	0.157	3.331	<0.001	1
St4	2023	P4_time_time	real	pent gMale a7 t8	0.255	3.331	<0.001	1
St4	2023	P4_time_time	real	pent gMale a8 t9	<0.001	<0.001	<0.001	<0.001
St4	2023	P4_time_time	real	pent gFemale a1 t2	0.420	0.779	0.001	0.997
St4	2023	P4_time_time	real	pent gFemale a2 t3	<0.001	<0.001	<0.001	<0.001
St4	2023	P4_time_time	real	pent gFemale a3 t4	0.042	0.016	0.020	0.086
St4	2023	P4_time_time	real	pent gFemale a4 t5	0.057	0.018	0.030	0.104
St4	2023	P4_time_time	real	pent gFemale a5 t6	0.011	0.007	0.003	0.037
St4	2023	P4_time_time	real	pent gFemale a6 t7	0.157	3.331	<0.001	1
St4	2023	P4_time_time	real	pent gFemale a7 t8	0.255	3.331	<0.001	1
St4	2023	P4_time_time	real	pent gFemale a8 t9	<0.001	<0.001	<0.001	<0.001
St4	2023	P5_sex_dot	real	Phi gMale a0 t1	0.392	0.082	0.248	0.558
St4	2023	P5_sex_dot	real	Phi gFemale a0 t1	0.427	0.081	0.280	0.589
St4	2023	P5_sex_dot	real	p gMale a0 t1	0.400	0.098	0.231	0.598
St4	2023	P5_sex_dot	real	N gMale a0 t1	127.073	25.291	93.794	198.813
St4	2023	P5_sex_dot	real	N gFemale a0 t1	131.746	25.051	98.527	202.336

St4	2023	P5_sex_dot	real	pent gMale a1 t2	0.080	0.034	0.034	0.177
St4	2023	P5_sex_dot	real	pent gMale a2 t3	0.107	0.036	0.054	0.200
St4	2023	P5_sex_dot	real	pent gMale a3 t4	0.072	0.033	0.029	0.169
St4	2023	P5_sex_dot	real	pent gMale a4 t5	0.113	0.033	0.063	0.195
St4	2023	P5_sex_dot	real	pent gMale a5 t6	<0.001	<0.001	<0.001	1
St4	2023	P5_sex_dot	real	pent gMale a6 t7	0.290	0.052	0.199	0.401
St4	2023	P5_sex_dot	real	pent gMale a7 t8	0.129	0.046	0.062	0.248
St4	2023	P5_sex_dot	real	pent gMale a8 t9	0.066	0.035	0.022	0.178
St4	2023	P5_sex_dot	real	pent gFemale a1 t2	0.080	0.034	0.034	0.177
St4	2023	P5_sex_dot	real	pent gFemale a2 t3	0.107	0.036	0.054	0.200
St4	2023	P5_sex_dot	real	pent gFemale a3 t4	0.072	0.033	0.029	0.169
St4	2023	P5_sex_dot	real	pent gFemale a4 t5	0.113	0.033	0.063	0.195
St4	2023	P5_sex_dot	real	pent gFemale a5 t6	<0.001	<0.001	<0.001	1
St4	2023	P5_sex_dot	real	pent gFemale a6 t7	0.290	0.052	0.199	0.401
St4	2023	P5_sex_dot	real	pent gFemale a7 t8	0.129	0.046	0.062	0.248
St4	2023	P5_sex_dot	real	pent gFemale a8 t9	0.066	0.035	0.022	0.178
St4	2023	P6_dot_sex	real	Phi gMale a0 t1	0.410	0.066	0.289	0.543
St4	2023	P6_dot_sex	real	p gMale a0 t1	0.405	0.126	0.197	0.654
St4	2023	P6_dot_sex	real	p gFemale a0 t1	0.398	0.117	0.202	0.633
St4	2023	P6_dot_sex	real	N gMale a0 t1	124.293	30.674	87.828	219.004
St4	2023	P6_dot_sex	real	N gFemale a0 t1	134.007	31.404	95.492	228.519
St4	2023	P6_dot_sex	real	pent gMale a1 t2	0.080	0.034	0.034	0.177
St4	2023	P6_dot_sex	real	pent gMale a2 t3	0.106	0.036	0.054	0.200
St4	2023	P6_dot_sex	real	pent gMale a3 t4	0.073	0.033	0.029	0.169
St4	2023	P6_dot_sex	real	pent gMale a4 t5	0.113	0.033	0.063	0.195
St4	2023	P6_dot_sex	real	pent gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St4	2023	P6_dot_sex	real	pent gMale a6 t7	0.290	0.052	0.199	0.401
St4	2023	P6_dot_sex	real	pent gMale a7 t8	0.129	0.046	0.062	0.248
St4	2023	P6_dot_sex	real	pent gMale a8 t9	0.066	0.035	0.022	0.178
St4	2023	P6_dot_sex	real	pent gFemale a1 t2	0.080	0.034	0.034	0.177
St4	2023	P6_dot_sex	real	pent gFemale a2 t3	0.106	0.036	0.054	0.200
St4	2023	P6_dot_sex	real	pent gFemale a3 t4	0.073	0.033	0.029	0.169
St4	2023	P6_dot_sex	real	pent gFemale a4 t5	0.113	0.033	0.063	0.195
St4	2023	P6_dot_sex	real	pent gFemale a5 t6	<0.001	<0.001	<0.001	<0.001
St4	2023	P6_dot_sex	real	pent gFemale a6 t7	0.290	0.052	0.199	0.401
St4	2023	P6_dot_sex	real	pent gFemale a7 t8	0.129	0.046	0.062	0.248
St4	2023	P6_dot_sex	real	pent gFemale a8 t9	0.066	0.035	0.022	0.178
St4	2023	P7_sex_sex	real	Phi gMale a0 t1	0.383	0.086	0.232	0.559
St4	2023	P7_sex_sex	real	Phi gFemale a0 t1	0.437	0.088	0.277	0.610
St4	2023	P7_sex_sex	real	p gMale a0 t1	0.428	0.139	0.198	0.694
St4	2023	P7_sex_sex	real	p gFemale a0 t1	0.377	0.122	0.179	0.626
St4	2023	P7_sex_sex	real	N gMale a0 t1	120.999	30.386	85.690	216.566
St4	2023	P7_sex_sex	real	N gFemale a0 t1	137.499	33.352	96.737	238.162
St4	2023	P7_sex_sex	real	pent gMale a1 t2	0.079	0.034	0.033	0.177
St4	2023	P7_sex_sex	real	pent gMale a2 t3	0.107	0.036	0.054	0.201
St4	2023	P7_sex_sex	real	pent gMale a3 t4	0.072	0.033	0.028	0.169
St4	2023	P7_sex_sex	real	pent gMale a4 t5	0.113	0.033	0.062	0.195
St4	2023	P7_sex_sex	real	pent gMale a5 t6	<0.001	<0.001	<0.001	1
St4	2023	P7_sex_sex	real	pent gMale a6 t7	0.290	0.052	0.199	0.401
St4	2023	P7_sex_sex	real	pent gMale a7 t8	0.128	0.046	0.062	0.247
St4	2023	P7_sex_sex	real	pent gMale a8 t9	0.066	0.035	0.023	0.177
St4	2023	P7_sex_sex	real	pent gFemale a1 t2	0.079	0.034	0.033	0.177
St4	2023	P7_sex_sex	real	pent gFemale a2 t3	0.107	0.036	0.054	0.201
St4	2023	P7_sex_sex	real	pent gFemale a3 t4	0.072	0.033	0.028	0.169
St4	2023	P7_sex_sex	real	pent gFemale a4 t5	0.113	0.033	0.062	0.195
St4	2023	P7_sex_sex	real	pent gFemale a5 t6	<0.001	<0.001	<0.001	1
St4	2023	P7_sex_sex	real	pent gFemale a6 t7	0.290	0.052	0.199	0.401
St4	2023	P7_sex_sex	real	pent gFemale a7 t8	0.128	0.046	0.062	0.247
St4	2023	P7_sex_sex	real	pent gFemale a8 t9	0.066	0.035	0.023	0.177

St4	2023	P8_timeSex_timeSex	real	Phi gMale a0 t1	1	<0.001	1	1
St4	2023	P8_timeSex_timeSex	real	Phi gMale a1 t2	0.118	0.056	0.044	0.279
St4	2023	P8_timeSex_timeSex	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St4	2023	P8_timeSex_timeSex	real	Phi gMale a3 t4	0.176	0.232	0.009	0.831
St4	2023	P8_timeSex_timeSex	real	Phi gMale a4 t5	0.324	0.753	0.001	0.998
St4	2023	P8_timeSex_timeSex	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St4	2023	P8_timeSex_timeSex	real	Phi gMale a6 t7	1.000	0.002	<0.001	1
St4	2023	P8_timeSex_timeSex	real	Phi gMale a7 t8	0.182	0.055	0.098	0.314
St4	2023	P8_timeSex_timeSex	real	Phi gFemale a0 t1	1	<0.001	1	1
St4	2023	P8_timeSex_timeSex	real	Phi gFemale a1 t2	0.162	0.073	0.064	0.355
St4	2023	P8_timeSex_timeSex	real	Phi gFemale a2 t3	<0.001	<0.001	<0.001	<0.001
St4	2023	P8_timeSex_timeSex	real	Phi gFemale a3 t4	0.235	0.283	0.014	0.871
St4	2023	P8_timeSex_timeSex	real	Phi gFemale a4 t5	0.410	0.817	0.001	0.998
St4	2023	P8_timeSex_timeSex	real	Phi gFemale a5 t6	<0.001	<0.001	<0.001	<0.001
St4	2023	P8_timeSex_timeSex	real	Phi gFemale a6 t7	1.000	0.001	<0.001	1
St4	2023	P8_timeSex_timeSex	real	Phi gFemale a7 t8	0.243	0.067	0.137	0.395
St4	2023	P8_timeSex_timeSex	real	p gMale a0 t1	1.000	0.040	<0.001	1
St4	2023	P8_timeSex_timeSex	real	p gMale a1 t2	0.084	0.043	0.030	0.214
St4	2023	P8_timeSex_timeSex	real	p gMale a2 t3	1.000	0.001	<0.001	1
St4	2023	P8_timeSex_timeSex	real	p gMale a3 t4	0.150	0.362	0.001	0.979
St4	2023	P8_timeSex_timeSex	real	p gMale a4 t5	0.813	1.279	<0.001	1
St4	2023	P8_timeSex_timeSex	real	p gMale a5 t6	0.250	0.572	0.001	0.992
St4	2023	P8_timeSex_timeSex	real	p gMale a6 t7	1.000	0.003	<0.001	1
St4	2023	P8_timeSex_timeSex	real	p gMale a7 t8	0.230	0.065	0.127	0.380
St4	2023	P8_timeSex_timeSex	real	p gMale a8 t9	1.000	0.002	<0.001	1
St4	2023	P8_timeSex_timeSex	real	p gFemale a0 t1	1.000	0.027	<0.001	1
St4	2023	P8_timeSex_timeSex	real	p gFemale a1 t2	0.119	0.056	0.045	0.278
St4	2023	P8_timeSex_timeSex	real	p gFemale a2 t3	1.000	0.001	<0.001	1
St4	2023	P8_timeSex_timeSex	real	p gFemale a3 t4	0.206	0.460	0.001	0.985
St4	2023	P8_timeSex_timeSex	real	p gFemale a4 t5	0.865	0.969	<0.001	1
St4	2023	P8_timeSex_timeSex	real	p gFemale a5 t6	0.330	0.656	0.001	0.994
St4	2023	P8_timeSex_timeSex	real	p gFemale a6 t7	1.000	0.002	<0.001	1
St4	2023	P8_timeSex_timeSex	real	p gFemale a7 t8	0.306	0.078	0.177	0.474
St4	2023	P8_timeSex_timeSex	real	p gFemale a8 t9	1.000	0.001	<0.001	1
St4	2023	P8_timeSex_timeSex	real	N gMale a0 t1	168.153	78.791	92.316	454.536
St4	2023	P8_timeSex_timeSex	real	N gFemale a0 t1	149.861	59.576	91.244	362.943
St4	2023	P8_timeSex_timeSex	real	pent gMale a1 t2	0.361	0.158	0.129	0.683
St4	2023	P8_timeSex_timeSex	real	pent gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St4	2023	P8_timeSex_timeSex	real	pent gMale a3 t4	0.195	0.380	0.002	0.965
St4	2023	P8_timeSex_timeSex	real	pent gMale a4 t5	0.023	0.121	<0.001	0.999
St4	2023	P8_timeSex_timeSex	real	pent gMale a5 t6	0.029	0.067	<0.001	0.752
St4	2023	P8_timeSex_timeSex	real	pent gMale a6 t7	0.097	0.044	0.039	0.225
St4	2023	P8_timeSex_timeSex	real	pent gMale a7 t8	0.247	0.110	0.093	0.510
St4	2023	P8_timeSex_timeSex	real	pent gMale a8 t9	<0.001	0.001	<0.001	1
St4	2023	P8_timeSex_timeSex	real	pent gFemale a1 t2	0.361	0.158	0.129	0.683
St4	2023	P8_timeSex_timeSex	real	pent gFemale a2 t3	<0.001	<0.001	<0.001	<0.001
St4	2023	P8_timeSex_timeSex	real	pent gFemale a3 t4	0.195	0.380	0.002	0.965
St4	2023	P8_timeSex_timeSex	real	pent gFemale a4 t5	0.023	0.121	<0.001	0.999
St4	2023	P8_timeSex_timeSex	real	pent gFemale a5 t6	0.029	0.067	<0.001	0.752
St4	2023	P8_timeSex_timeSex	real	pent gFemale a6 t7	0.097	0.044	0.039	0.225
St4	2023	P8_timeSex_timeSex	real	pent gFemale a7 t8	0.247	0.110	0.093	0.510
St4	2023	P8_timeSex_timeSex	real	pent gFemale a8 t9	<0.001	0.001	<0.001	1
St4	2024	P1_dot_dot	real	Phi gMale a0 t1	0.443	0.084	0.289	0.608
St4	2024	P1_dot_dot	real	p gMale a0 t1	0.361	0.115	0.175	0.600
St4	2024	P1_dot_dot	real	N gMale a0 t1	97.846	23.382	68.798	167.466
St4	2024	P1_dot_dot	real	N gFemale a0 t1	87.601	21.175	61.432	150.925
St4	2024	P1_dot_dot	real	pent gMale a1 t2	0.077	0.052	0.020	0.258
St4	2024	P1_dot_dot	real	pent gMale a2 t3	0.077	0.044	0.024	0.218
St4	2024	P1_dot_dot	real	pent gMale a3 t4	0.130	0.049	0.060	0.260

St4	2024	P1_dot_dot	real	pent gMale a4 t5	0.088	0.046	0.030	0.230
St4	2024	P1_dot_dot	real	pent gMale a5 t6	0.007	0.031	<0.001	0.984
St4	2024	P1_dot_dot	real	pent gMale a6 t7	0.225	0.060	0.129	0.364
St4	2024	P1_dot_dot	real	pent gMale a7 t8	0.081	0.051	0.023	0.252
St4	2024	P1_dot_dot	real	pent gMale a8 t9	0.062	0.041	0.016	0.208
St4	2024	P1_dot_dot	real	pent gFemale a1 t2	0.077	0.052	0.020	0.258
St4	2024	P1_dot_dot	real	pent gFemale a2 t3	0.077	0.044	0.024	0.218
St4	2024	P1_dot_dot	real	pent gFemale a3 t4	0.130	0.049	0.060	0.260
St4	2024	P1_dot_dot	real	pent gFemale a4 t5	0.088	0.046	0.030	0.230
St4	2024	P1_dot_dot	real	pent gFemale a5 t6	0.007	0.031	<0.001	0.984
St4	2024	P1_dot_dot	real	pent gFemale a6 t7	0.225	0.060	0.129	0.364
St4	2024	P1_dot_dot	real	pent gFemale a7 t8	0.081	0.051	0.023	0.252
St4	2024	P1_dot_dot	real	pent gFemale a8 t9	0.062	0.041	0.016	0.208
St4	2024	P2_time_dot	real	Phi gMale a0 t1	0.808	0.229	0.190	0.987
St4	2024	P2_time_dot	real	Phi gMale a1 t2	0.453	0.267	0.091	0.873
St4	2024	P2_time_dot	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St4	2024	P2_time_dot	real	Phi gMale a3 t4	0.238	0.233	0.025	0.794
St4	2024	P2_time_dot	real	Phi gMale a4 t5	0.535	0.259	0.130	0.898
St4	2024	P2_time_dot	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St4	2024	P2_time_dot	real	Phi gMale a6 t7	1	<0.001	1	1
St4	2024	P2_time_dot	real	Phi gMale a7 t8	0.934	0.253	0.005	1.000
St4	2024	P2_time_dot	real	p gMale a0 t1	0.284	0.059	0.184	0.412
St4	2024	P2_time_dot	real	N gMale a0 t1	101.048	18.914	74.928	152.506
St4	2024	P2_time_dot	real	N gFemale a0 t1	90.471	17.254	66.801	137.681
St4	2024	P2_time_dot	real	pent gMale a1 t2	<0.001	0.003	<0.001	1
St4	2024	P2_time_dot	real	pent gMale a2 t3	0.087	0.060	0.021	0.294
St4	2024	P2_time_dot	real	pent gMale a3 t4	0.200	0.057	0.111	0.335
St4	2024	P2_time_dot	real	pent gMale a4 t5	0.124	0.055	0.050	0.278
St4	2024	P2_time_dot	real	pent gMale a5 t6	<0.001	<0.001	<0.001	1
St4	2024	P2_time_dot	real	pent gMale a6 t7	0.276	0.048	0.191	0.380
St4	2024	P2_time_dot	real	pent gMale a7 t8	<0.001	<0.001	<0.001	1
St4	2024	P2_time_dot	real	pent gMale a8 t9	<0.001	0.001	<0.001	1
St4	2024	P2_time_dot	real	pent gFemale a1 t2	<0.001	0.003	<0.001	1
St4	2024	P2_time_dot	real	pent gFemale a2 t3	0.087	0.060	0.021	0.294
St4	2024	P2_time_dot	real	pent gFemale a3 t4	0.200	0.057	0.111	0.335
St4	2024	P2_time_dot	real	pent gFemale a4 t5	0.124	0.055	0.050	0.278
St4	2024	P2_time_dot	real	pent gFemale a5 t6	<0.001	<0.001	<0.001	1
St4	2024	P2_time_dot	real	pent gFemale a6 t7	0.276	0.048	0.191	0.380
St4	2024	P2_time_dot	real	pent gFemale a7 t8	<0.001	<0.001	<0.001	1
St4	2024	P2_time_dot	real	pent gFemale a8 t9	<0.001	0.001	<0.001	1
St4	2024	P3_dot_time	real	Phi gMale a0 t1	0.428	0.084	0.277	0.594
St4	2024	P3_dot_time	real	p gMale a0 t1	1.000	0.001	<0.001	1
St4	2024	P3_dot_time	real	p gMale a1 t2	0.233	0.150	0.055	0.611
St4	2024	P3_dot_time	real	p gMale a2 t3	0.400	0.234	0.090	0.818
St4	2024	P3_dot_time	real	p gMale a3 t4	0.098	0.057	0.030	0.276
St4	2024	P3_dot_time	real	p gMale a4 t5	0.213	0.137	0.052	0.573
St4	2024	P3_dot_time	real	p gMale a5 t6	0.257	0.211	0.038	0.751
St4	2024	P3_dot_time	real	p gMale a6 t7	0.210	0.088	0.086	0.429
St4	2024	P3_dot_time	real	p gMale a7 t8	0.423	0.168	0.159	0.739
St4	2024	P3_dot_time	real	p gMale a8 t9	0.773	0.309	0.098	0.991
St4	2024	P3_dot_time	real	N gMale a0 t1	126.131	34.003	82.539	224.741
St4	2024	P3_dot_time	real	N gFemale a0 t1	112.940	30.777	73.661	202.536
St4	2024	P3_dot_time	real	pent gMale a1 t2	0.179	0.121	0.041	0.524
St4	2024	P3_dot_time	real	pent gMale a2 t3	0.025	0.074	<0.001	0.907
St4	2024	P3_dot_time	real	pent gMale a3 t4	0.425	0.152	0.179	0.715
St4	2024	P3_dot_time	real	pent gMale a4 t5	<0.001	<0.001	<0.001	<0.001
St4	2024	P3_dot_time	real	pent gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St4	2024	P3_dot_time	real	pent gMale a6 t7	0.288	0.121	0.113	0.563
St4	2024	P3_dot_time	real	pent gMale a7 t8	<0.001	<0.001	<0.001	<0.001

St4	2024	P3_dot_time	real	pent gMale a8 t9	0.012	0.026	<0.001	0.470
St4	2024	P3_dot_time	real	pent gFemale a1 t2	0.179	0.121	0.041	0.524
St4	2024	P3_dot_time	real	pent gFemale a2 t3	0.025	0.074	<0.001	0.907
St4	2024	P3_dot_time	real	pent gFemale a3 t4	0.425	0.152	0.179	0.715
St4	2024	P3_dot_time	real	pent gFemale a4 t5	<0.001	<0.001	<0.001	<0.001
St4	2024	P3_dot_time	real	pent gFemale a5 t6	<0.001	<0.001	<0.001	<0.001
St4	2024	P3_dot_time	real	pent gFemale a6 t7	0.288	0.121	0.113	0.563
St4	2024	P3_dot_time	real	pent gFemale a7 t8	<0.001	<0.001	<0.001	<0.001
St4	2024	P3_dot_time	real	pent gFemale a8 t9	0.012	0.026	<0.001	0.470
St4	2024	P4_time_time	real	Phi gMale a0 t1	1	<0.001	1	1
St4	2024	P4_time_time	real	Phi gMale a1 t2	0.113	0.063	0.036	0.304
St4	2024	P4_time_time	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St4	2024	P4_time_time	real	Phi gMale a3 t4	0.091	0.087	0.013	0.439
St4	2024	P4_time_time	real	Phi gMale a4 t5	0.200	0.126	0.050	0.541
St4	2024	P4_time_time	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St4	2024	P4_time_time	real	Phi gMale a6 t7	1.000	<0.001	<0.001	1
St4	2024	P4_time_time	real	Phi gMale a7 t8	0.271	0.087	0.135	0.469
St4	2024	P4_time_time	real	p gMale a0 t1	0.979	7.015	<0.001	1
St4	2024	P4_time_time	real	p gMale a1 t2	0.144	0.086	0.041	0.398
St4	2024	P4_time_time	real	p gMale a2 t3	1.000	0.120	<0.001	1
St4	2024	P4_time_time	real	p gMale a3 t4	1.000	0.004	<0.001	1
St4	2024	P4_time_time	real	p gMale a4 t5	1	<0.001	1	1
St4	2024	P4_time_time	real	p gMale a5 t6	1	<0.001	1.000	1.000
St4	2024	P4_time_time	real	p gMale a6 t7	0.411	4.846	<0.001	1
St4	2024	P4_time_time	real	p gMale a7 t8	0.321	0.115	0.143	0.572
St4	2024	P4_time_time	real	p gMale a8 t9	1	<0.001	<0.001	1
St4	2024	P4_time_time	real	N gMale a0 t1	82.339	22.753	58.525	160.029
St4	2024	P4_time_time	real	N gFemale a0 t1	73.709	20.520	52.335	144.030
St4	2024	P4_time_time	real	pent gMale a1 t2	0.423	0.818	0.001	0.998
St4	2024	P4_time_time	real	pent gMale a2 t3	0.010	0.045	<0.001	0.985
St4	2024	P4_time_time	real	pent gMale a3 t4	0.070	0.028	0.032	0.149
St4	2024	P4_time_time	real	pent gMale a4 t5	0.058	0.024	0.025	0.128
St4	2024	P4_time_time	real	pent gMale a5 t6	0.019	0.012	0.006	0.065
St4	2024	P4_time_time	real	pent gMale a6 t7	0.250	2.942	<0.001	1
St4	2024	P4_time_time	real	pent gMale a7 t8	0.050	2.941	<0.001	1
St4	2024	P4_time_time	real	pent gMale a8 t9	0.009	0.031	<0.001	0.909
St4	2024	P4_time_time	real	pent gFemale a1 t2	0.423	0.818	0.001	0.998
St4	2024	P4_time_time	real	pent gFemale a2 t3	0.010	0.045	<0.001	0.985
St4	2024	P4_time_time	real	pent gFemale a3 t4	0.070	0.028	0.032	0.149
St4	2024	P4_time_time	real	pent gFemale a4 t5	0.058	0.024	0.025	0.128
St4	2024	P4_time_time	real	pent gFemale a5 t6	0.019	0.012	0.006	0.065
St4	2024	P4_time_time	real	pent gFemale a6 t7	0.250	2.942	<0.001	1
St4	2024	P4_time_time	real	pent gFemale a7 t8	0.050	2.941	<0.001	1
St4	2024	P4_time_time	real	pent gFemale a8 t9	0.009	0.031	<0.001	0.909
St4	2024	P5_sex_dot	real	Phi gMale a0 t1	0.453	0.095	0.282	0.636
St4	2024	P5_sex_dot	real	Phi gFemale a0 t1	0.425	0.111	0.232	0.643
St4	2024	P5_sex_dot	real	p gMale a0 t1	0.364	0.117	0.176	0.607
St4	2024	P5_sex_dot	real	N gMale a0 t1	96.216	23.544	67.479	167.350
St4	2024	P5_sex_dot	real	N gFemale a0 t1	88.077	21.594	61.494	152.866
St4	2024	P5_sex_dot	real	pent gMale a1 t2	0.078	0.051	0.020	0.256
St4	2024	P5_sex_dot	real	pent gMale a2 t3	0.077	0.043	0.025	0.216
St4	2024	P5_sex_dot	real	pent gMale a3 t4	0.130	0.049	0.060	0.259
St4	2024	P5_sex_dot	real	pent gMale a4 t5	0.087	0.046	0.030	0.228
St4	2024	P5_sex_dot	real	pent gMale a5 t6	0.008	0.031	<0.001	0.942
St4	2024	P5_sex_dot	real	pent gMale a6 t7	0.224	0.060	0.128	0.362
St4	2024	P5_sex_dot	real	pent gMale a7 t8	0.082	0.051	0.023	0.251
St4	2024	P5_sex_dot	real	pent gMale a8 t9	0.062	0.041	0.016	0.207
St4	2024	P5_sex_dot	real	pent gFemale a1 t2	0.078	0.051	0.020	0.256
St4	2024	P5_sex_dot	real	pent gFemale a2 t3	0.077	0.043	0.025	0.216

St4	2024	P5_sex_dot	real	pent gFemale a3 t4	0.130	0.049	0.060	0.259
St4	2024	P5_sex_dot	real	pent gFemale a4 t5	0.087	0.046	0.030	0.228
St4	2024	P5_sex_dot	real	pent gFemale a5 t6	0.008	0.031	<0.001	0.942
St4	2024	P5_sex_dot	real	pent gFemale a6 t7	0.224	0.060	0.128	0.362
St4	2024	P5_sex_dot	real	pent gFemale a7 t8	0.082	0.051	0.023	0.251
St4	2024	P5_sex_dot	real	pent gFemale a8 t9	0.062	0.041	0.016	0.207
St4	2024	P6_dot_sex	real	Phi gMale a0 t1	0.448	0.084	0.294	0.613
St4	2024	P6_dot_sex	real	p gMale a0 t1	0.417	0.144	0.183	0.695
St4	2024	P6_dot_sex	real	p gFemale a0 t1	0.288	0.125	0.109	0.571
St4	2024	P6_dot_sex	real	N gMale a0 t1	86.798	22.322	61.603	158.660
St4	2024	P6_dot_sex	real	N gFemale a0 t1	105.103	36.376	64.420	223.060
St4	2024	P6_dot_sex	real	pent gMale a1 t2	0.077	0.052	0.019	0.261
St4	2024	P6_dot_sex	real	pent gMale a2 t3	0.077	0.044	0.024	0.220
St4	2024	P6_dot_sex	real	pent gMale a3 t4	0.129	0.050	0.059	0.261
St4	2024	P6_dot_sex	real	pent gMale a4 t5	0.089	0.047	0.031	0.233
St4	2024	P6_dot_sex	real	pent gMale a5 t6	0.004	0.032	<0.001	1.000
St4	2024	P6_dot_sex	real	pent gMale a6 t7	0.227	0.060	0.130	0.366
St4	2024	P6_dot_sex	real	pent gMale a7 t8	0.080	0.051	0.022	0.254
St4	2024	P6_dot_sex	real	pent gMale a8 t9	0.062	0.041	0.016	0.208
St4	2024	P6_dot_sex	real	pent gFemale a1 t2	0.077	0.052	0.019	0.261
St4	2024	P6_dot_sex	real	pent gFemale a2 t3	0.077	0.044	0.024	0.220
St4	2024	P6_dot_sex	real	pent gFemale a3 t4	0.129	0.050	0.059	0.261
St4	2024	P6_dot_sex	real	pent gFemale a4 t5	0.089	0.047	0.031	0.233
St4	2024	P6_dot_sex	real	pent gFemale a5 t6	0.004	0.032	<0.001	1.000
St4	2024	P6_dot_sex	real	pent gFemale a6 t7	0.227	0.060	0.130	0.366
St4	2024	P6_dot_sex	real	pent gFemale a7 t8	0.080	0.051	0.022	0.254
St4	2024	P6_dot_sex	real	pent gFemale a8 t9	0.062	0.041	0.016	0.208
St4	2024	P7_sex_sex	real	Phi gMale a0 t1	0.435	0.096	0.263	0.624
St4	2024	P7_sex_sex	real	Phi gFemale a0 t1	0.473	0.123	0.254	0.703
St4	2024	P7_sex_sex	real	p gMale a0 t1	0.425	0.149	0.183	0.710
St4	2024	P7_sex_sex	real	p gFemale a0 t1	0.271	0.131	0.092	0.577
St4	2024	P7_sex_sex	real	N gMale a0 t1	86.256	22.332	61.236	158.573
St4	2024	P7_sex_sex	real	N gFemale a0 t1	108.022	38.558	65.172	233.687
St4	2024	P7_sex_sex	real	pent gMale a1 t2	0.076	0.053	0.018	0.264
St4	2024	P7_sex_sex	real	pent gMale a2 t3	0.077	0.045	0.024	0.222
St4	2024	P7_sex_sex	real	pent gMale a3 t4	0.129	0.050	0.058	0.262
St4	2024	P7_sex_sex	real	pent gMale a4 t5	0.090	0.047	0.031	0.234
St4	2024	P7_sex_sex	real	pent gMale a5 t6	0.002	0.032	<0.001	1
St4	2024	P7_sex_sex	real	pent gMale a6 t7	0.229	0.061	0.131	0.368
St4	2024	P7_sex_sex	real	pent gMale a7 t8	0.079	0.052	0.021	0.256
St4	2024	P7_sex_sex	real	pent gMale a8 t9	0.062	0.041	0.016	0.209
St4	2024	P7_sex_sex	real	pent gFemale a1 t2	0.076	0.053	0.018	0.264
St4	2024	P7_sex_sex	real	pent gFemale a2 t3	0.077	0.045	0.024	0.222
St4	2024	P7_sex_sex	real	pent gFemale a3 t4	0.129	0.050	0.058	0.262
St4	2024	P7_sex_sex	real	pent gFemale a4 t5	0.090	0.047	0.031	0.234
St4	2024	P7_sex_sex	real	pent gFemale a5 t6	0.002	0.032	<0.001	1
St4	2024	P7_sex_sex	real	pent gFemale a6 t7	0.229	0.061	0.131	0.368
St4	2024	P7_sex_sex	real	pent gFemale a7 t8	0.079	0.052	0.021	0.256
St4	2024	P7_sex_sex	real	pent gFemale a8 t9	0.062	0.041	0.016	0.209
St4	2024	P8_timeSex_timeSex	real	Phi gMale a0 t1	1	<0.001	1	1
St4	2024	P8_timeSex_timeSex	real	Phi gMale a1 t2	0.810	0.956	<0.001	1.000
St4	2024	P8_timeSex_timeSex	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St4	2024	P8_timeSex_timeSex	real	Phi gMale a3 t4	0.064	0.096	0.003	0.608
St4	2024	P8_timeSex_timeSex	real	Phi gMale a4 t5	0.138	0.137	0.016	0.607
St4	2024	P8_timeSex_timeSex	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St4	2024	P8_timeSex_timeSex	real	Phi gMale a6 t7	1	<0.001	1	1
St4	2024	P8_timeSex_timeSex	real	Phi gMale a7 t8	1	<0.001	1	1
St4	2024	P8_timeSex_timeSex	real	Phi gFemale a0 t1	1	<0.001	1	1
St4	2024	P8_timeSex_timeSex	real	Phi gFemale a1 t2	0.904	0.572	<0.001	1.000

St4	2024	P8_timeSex_timeSex	real	Phi gFemale a2 t3	<0.001	<0.001	<0.001	<0.001
St4	2024	P8_timeSex_timeSex	real	Phi gFemale a3 t4	0.132	0.173	0.008	0.745
St4	2024	P8_timeSex_timeSex	real	Phi gFemale a4 t5	0.262	0.183	0.052	0.695
St4	2024	P8_timeSex_timeSex	real	Phi gFemale a5 t6	<0.001	<0.001	<0.001	<0.001
St4	2024	P8_timeSex_timeSex	real	Phi gFemale a6 t7	1	<0.001	1	1
St4	2024	P8_timeSex_timeSex	real	Phi gFemale a7 t8	1	<0.001	1	1
St4	2024	P8_timeSex_timeSex	real	p gMale a0 t1	0.217	0.092	0.087	0.445
St4	2024	P8_timeSex_timeSex	real	p gMale a1 t2	0.155	0.071	0.060	0.347
St4	2024	P8_timeSex_timeSex	real	p gMale a2 t3	0.167	0.174	0.017	0.701
St4	2024	P8_timeSex_timeSex	real	p gMale a3 t4	1	<0.001	1	1
St4	2024	P8_timeSex_timeSex	real	p gMale a4 t5	0.900	0.742	<0.001	1
St4	2024	P8_timeSex_timeSex	real	p gMale a5 t6	1	<0.001	1	1
St4	2024	P8_timeSex_timeSex	real	p gMale a6 t7	0.362	0.100	0.195	0.570
St4	2024	P8_timeSex_timeSex	real	p gMale a7 t8	0.341	0.097	0.181	0.547
St4	2024	P8_timeSex_timeSex	real	p gMale a8 t9	0.319	0.094	0.167	0.523
St4	2024	P8_timeSex_timeSex	real	p gFemale a0 t1	0.148	0.072	0.053	0.347
St4	2024	P8_timeSex_timeSex	real	p gFemale a1 t2	0.103	0.053	0.036	0.261
St4	2024	P8_timeSex_timeSex	real	p gFemale a2 t3	0.111	0.116	0.012	0.555
St4	2024	P8_timeSex_timeSex	real	p gFemale a3 t4	1	<0.001	1	1
St4	2024	P8_timeSex_timeSex	real	p gFemale a4 t5	0.849	1.069	<0.001	1
St4	2024	P8_timeSex_timeSex	real	p gFemale a5 t6	1	<0.001	1	1
St4	2024	P8_timeSex_timeSex	real	p gFemale a6 t7	0.262	0.095	0.119	0.483
St4	2024	P8_timeSex_timeSex	real	p gFemale a7 t8	0.244	0.091	0.109	0.459
St4	2024	P8_timeSex_timeSex	real	p gFemale a8 t9	0.226	0.087	0.100	0.435
St4	2024	P8_timeSex_timeSex	real	N gMale a0 t1	80.816	17.747	60.160	136.562
St4	2024	P8_timeSex_timeSex	real	N gFemale a0 t1	89.059	25.148	59.924	168.348
St4	2024	P8_timeSex_timeSex	real	pent gMale a1 t2	<0.001	<0.001	<0.001	1.000
St4	2024	P8_timeSex_timeSex	real	pent gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St4	2024	P8_timeSex_timeSex	real	pent gMale a3 t4	0.065	0.024	0.031	0.129
St4	2024	P8_timeSex_timeSex	real	pent gMale a4 t5	0.061	0.065	0.007	0.376
St4	2024	P8_timeSex_timeSex	real	pent gMale a5 t6	0.016	0.019	0.001	0.153
St4	2024	P8_timeSex_timeSex	real	pent gMale a6 t7	0.304	0.079	0.173	0.476
St4	2024	P8_timeSex_timeSex	real	pent gMale a7 t8	<0.001	<0.001	<0.001	<0.001
St4	2024	P8_timeSex_timeSex	real	pent gMale a8 t9	<0.001	0.031	<0.001	0.061
St4	2024	P8_timeSex_timeSex	real	pent gFemale a1 t2	<0.001	<0.001	<0.001	1.000
St4	2024	P8_timeSex_timeSex	real	pent gFemale a2 t3	<0.001	<0.001	<0.001	<0.001
St4	2024	P8_timeSex_timeSex	real	pent gFemale a3 t4	0.065	0.024	0.031	0.129
St4	2024	P8_timeSex_timeSex	real	pent gFemale a4 t5	0.061	0.065	0.007	0.376
St4	2024	P8_timeSex_timeSex	real	pent gFemale a5 t6	0.016	0.019	0.001	0.153
St4	2024	P8_timeSex_timeSex	real	pent gFemale a6 t7	0.304	0.079	0.173	0.476
St4	2024	P8_timeSex_timeSex	real	pent gFemale a7 t8	<0.001	<0.001	<0.001	<0.001
St4	2024	P8_timeSex_timeSex	real	pent gFemale a8 t9	<0.001	0.031	<0.001	0.061
St5	2022	P1_dot_dot	real	Phi gMale a0 t1	0.377	0.048	0.289	0.474
St5	2022	P1_dot_dot	real	p gMale a0 t1	0.744	0.102	0.505	0.893
St5	2022	P1_dot_dot	real	N gMale a0 t1	65.403	7.095	57.716	88.992
St5	2022	P1_dot_dot	real	N gFemale a0 t1	77.608	8.217	68.563	104.587
St5	2022	P1_dot_dot	real	pent gMale a1 t2	0.031	0.022	0.008	0.116
St5	2022	P1_dot_dot	real	pent gMale a2 t3	0.061	0.024	0.027	0.129
St5	2022	P1_dot_dot	real	pent gMale a3 t4	0.292	0.047	0.209	0.392
St5	2022	P1_dot_dot	real	pent gMale a4 t5	0.074	0.032	0.031	0.167
St5	2022	P1_dot_dot	real	pent gMale a5 t6	0.083	0.029	0.042	0.159
St5	2022	P1_dot_dot	real	pent gMale a6 t7	0.168	0.038	0.106	0.256
St5	2022	P1_dot_dot	real	pent gMale a7 t8	0.086	0.030	0.042	0.167
St5	2022	P1_dot_dot	real	pent gMale a8 t9	0.046	0.023	0.017	0.117
St5	2022	P1_dot_dot	real	pent gFemale a1 t2	0.031	0.022	0.008	0.116
St5	2022	P1_dot_dot	real	pent gFemale a2 t3	0.061	0.024	0.027	0.129
St5	2022	P1_dot_dot	real	pent gFemale a3 t4	0.292	0.047	0.209	0.392
St5	2022	P1_dot_dot	real	pent gFemale a4 t5	0.074	0.032	0.031	0.167
St5	2022	P1_dot_dot	real	pent gFemale a5 t6	0.083	0.029	0.042	0.159

St5	2022	P1_dot_dot	real	pent gFemale a6 t7	0.168	0.038	0.106	0.256
St5	2022	P1_dot_dot	real	pent gFemale a7 t8	0.086	0.030	0.042	0.167
St5	2022	P1_dot_dot	real	pent gFemale a8 t9	0.046	0.023	0.017	0.117
St5	2022	P2_time_dot	real	Phi gMale a0 t1	0.574	0.160	0.273	0.829
St5	2022	P2_time_dot	real	Phi gMale a1 t2	0.716	0.229	0.217	0.958
St5	2022	P2_time_dot	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St5	2022	P2_time_dot	real	Phi gMale a3 t4	0.476	0.122	0.258	0.703
St5	2022	P2_time_dot	real	Phi gMale a4 t5	0.576	0.167	0.262	0.839
St5	2022	P2_time_dot	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St5	2022	P2_time_dot	real	Phi gMale a6 t7	0.646	0.183	0.276	0.898
St5	2022	P2_time_dot	real	Phi gMale a7 t8	0.325	0.137	0.124	0.621
St5	2022	P2_time_dot	real	p gMale a0 t1	0.667	0.129	0.392	0.862
St5	2022	P2_time_dot	real	N gMale a0 t1	68.840	8.814	59.053	97.586
St5	2022	P2_time_dot	real	N gFemale a0 t1	81.682	10.237	70.164	114.721
St5	2022	P2_time_dot	real	pent gMale a1 t2	0.017	0.029	0.001	0.318
St5	2022	P2_time_dot	real	pent gMale a2 t3	0.057	0.026	0.023	0.135
St5	2022	P2_time_dot	real	pent gMale a3 t4	0.317	0.055	0.219	0.434
St5	2022	P2_time_dot	real	pent gMale a4 t5	0.059	0.041	0.015	0.209
St5	2022	P2_time_dot	real	pent gMale a5 t6	0.078	0.031	0.034	0.166
St5	2022	P2_time_dot	real	pent gMale a6 t7	0.188	0.043	0.117	0.288
St5	2022	P2_time_dot	real	pent gMale a7 t8	0.068	0.038	0.022	0.192
St5	2022	P2_time_dot	real	pent gMale a8 t9	0.047	0.024	0.017	0.125
St5	2022	P2_time_dot	real	pent gFemale a1 t2	0.017	0.029	0.001	0.318
St5	2022	P2_time_dot	real	pent gFemale a2 t3	0.057	0.026	0.023	0.135
St5	2022	P2_time_dot	real	pent gFemale a3 t4	0.317	0.055	0.219	0.434
St5	2022	P2_time_dot	real	pent gFemale a4 t5	0.059	0.041	0.015	0.209
St5	2022	P2_time_dot	real	pent gFemale a5 t6	0.078	0.031	0.034	0.166
St5	2022	P2_time_dot	real	pent gFemale a6 t7	0.188	0.043	0.117	0.288
St5	2022	P2_time_dot	real	pent gFemale a7 t8	0.068	0.038	0.022	0.192
St5	2022	P2_time_dot	real	pent gFemale a8 t9	0.047	0.024	0.017	0.125
St5	2022	P3_dot_time	real	Phi gMale a0 t1	0.400	0.046	0.314	0.493
St5	2022	P3_dot_time	real	p gMale a0 t1	1.000	0.001	<0.001	1
St5	2022	P3_dot_time	real	p gMale a1 t2	1	<0.001	1	1
St5	2022	P3_dot_time	real	p gMale a2 t3	1	<0.001	1	1
St5	2022	P3_dot_time	real	p gMale a3 t4	0.366	0.099	0.200	0.570
St5	2022	P3_dot_time	real	p gMale a4 t5	0.556	0.152	0.272	0.808
St5	2022	P3_dot_time	real	p gMale a5 t6	1	<0.001	1	1
St5	2022	P3_dot_time	real	p gMale a6 t7	0.244	0.085	0.115	0.444
St5	2022	P3_dot_time	real	p gMale a7 t8	0.550	0.183	0.223	0.839
St5	2022	P3_dot_time	real	p gMale a8 t9	0.552	0.236	0.160	0.889
St5	2022	P3_dot_time	real	N gMale a0 t1	90.964	13.752	72.251	128.863
St5	2022	P3_dot_time	real	N gFemale a0 t1	107.902	15.866	86.093	151.241
St5	2022	P3_dot_time	real	pent gMale a1 t2	0.025	0.012	0.010	0.061
St5	2022	P3_dot_time	real	pent gMale a2 t3	0.035	0.014	0.016	0.075
St5	2022	P3_dot_time	real	pent gMale a3 t4	0.424	0.082	0.276	0.587
St5	2022	P3_dot_time	real	pent gMale a4 t5	<0.001	<0.001	<0.001	<0.001
St5	2022	P3_dot_time	real	pent gMale a5 t6	0.031	0.022	0.007	0.121
St5	2022	P3_dot_time	real	pent gMale a6 t7	0.364	0.087	0.216	0.544
St5	2022	P3_dot_time	real	pent gMale a7 t8	<0.001	<0.001	<0.001	<0.001
St5	2022	P3_dot_time	real	pent gMale a8 t9	0.034	0.034	0.005	0.207
St5	2022	P3_dot_time	real	pent gFemale a1 t2	0.025	0.012	0.010	0.061
St5	2022	P3_dot_time	real	pent gFemale a2 t3	0.035	0.014	0.016	0.075
St5	2022	P3_dot_time	real	pent gFemale a3 t4	0.424	0.082	0.276	0.587
St5	2022	P3_dot_time	real	pent gFemale a4 t5	<0.001	<0.001	<0.001	<0.001
St5	2022	P3_dot_time	real	pent gFemale a5 t6	0.031	0.022	0.007	0.121
St5	2022	P3_dot_time	real	pent gFemale a6 t7	0.364	0.087	0.216	0.544
St5	2022	P3_dot_time	real	pent gFemale a7 t8	<0.001	<0.001	<0.001	<0.001
St5	2022	P3_dot_time	real	pent gFemale a8 t9	0.034	0.034	0.005	0.207
St5	2022	P4_time_time	real	Phi gMale a0 t1	0.471	0.121	0.255	0.697

St5	2022	P4_time_time	real	Phi gMale a1 t2	0.538	0.138	0.282	0.776
St5	2022	P4_time_time	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St5	2022	P4_time_time	real	Phi gMale a3 t4	0.517	0.153	0.244	0.780
St5	2022	P4_time_time	real	Phi gMale a4 t5	0.368	0.106	0.192	0.588
St5	2022	P4_time_time	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St5	2022	P4_time_time	real	Phi gMale a6 t7	0.782	0.335	0.070	0.994
St5	2022	P4_time_time	real	Phi gMale a7 t8	0.198	0.092	0.073	0.434
St5	2022	P4_time_time	real	p gMale a0 t1	1	<0.001	1.000	1.000
St5	2022	P4_time_time	real	p gMale a1 t2	1	<0.001	1	1
St5	2022	P4_time_time	real	p gMale a2 t3	1	<0.001	1	1
St5	2022	P4_time_time	real	p gMale a3 t4	1.000	<0.001	<0.001	1
St5	2022	P4_time_time	real	p gMale a4 t5	0.565	0.178	0.240	0.843
St5	2022	P4_time_time	real	p gMale a5 t6	1	<0.001	1.000	1.000
St5	2022	P4_time_time	real	p gMale a6 t7	1.000	<0.001	<0.001	1
St5	2022	P4_time_time	real	p gMale a7 t8	0.508	0.238	0.138	0.870
St5	2022	P4_time_time	real	p gMale a8 t9	1	<0.001	1	1
St5	2022	P4_time_time	real	N gMale a0 t1	59.619	5.376	55.157	81.286
St5	2022	P4_time_time	real	N gFemale a0 t1	70.754	6.252	65.445	95.563
St5	2022	P4_time_time	real	pent gMale a1 t2	0.038	0.017	0.016	0.090
St5	2022	P4_time_time	real	pent gMale a2 t3	0.054	0.020	0.025	0.110
St5	2022	P4_time_time	real	pent gMale a3 t4	0.245	0.043	0.171	0.339
St5	2022	P4_time_time	real	pent gMale a4 t5	0.144	0.056	0.065	0.290
St5	2022	P4_time_time	real	pent gMale a5 t6	0.054	0.031	0.017	0.157
St5	2022	P4_time_time	real	pent gMale a6 t7	0.146	0.033	0.092	0.224
St5	2022	P4_time_time	real	pent gMale a7 t8	0.158	0.075	0.058	0.361
St5	2022	P4_time_time	real	pent gMale a8 t9	0.031	0.024	0.006	0.137
St5	2022	P4_time_time	real	pent gFemale a1 t2	0.038	0.017	0.016	0.090
St5	2022	P4_time_time	real	pent gFemale a2 t3	0.054	0.020	0.025	0.110
St5	2022	P4_time_time	real	pent gFemale a3 t4	0.245	0.043	0.171	0.339
St5	2022	P4_time_time	real	pent gFemale a4 t5	0.144	0.056	0.065	0.290
St5	2022	P4_time_time	real	pent gFemale a5 t6	0.054	0.031	0.017	0.157
St5	2022	P4_time_time	real	pent gFemale a6 t7	0.146	0.033	0.092	0.224
St5	2022	P4_time_time	real	pent gFemale a7 t8	0.158	0.075	0.058	0.361
St5	2022	P4_time_time	real	pent gFemale a8 t9	0.031	0.024	0.006	0.137
St5	2022	P5_sex_dot	real	Phi gMale a0 t1	0.255	0.064	0.150	0.397
St5	2022	P5_sex_dot	real	Phi gFemale a0 t1	0.442	0.057	0.336	0.554
St5	2022	P5_sex_dot	real	p gMale a0 t1	0.769	0.095	0.539	0.904
St5	2022	P5_sex_dot	real	N gMale a0 t1	65.811	7.394	57.827	90.456
St5	2022	P5_sex_dot	real	N gFemale a0 t1	74.676	6.735	67.433	97.200
St5	2022	P5_sex_dot	real	pent gMale a1 t2	0.032	0.021	0.009	0.110
St5	2022	P5_sex_dot	real	pent gMale a2 t3	0.062	0.024	0.029	0.128
St5	2022	P5_sex_dot	real	pent gMale a3 t4	0.288	0.046	0.208	0.385
St5	2022	P5_sex_dot	real	pent gMale a4 t5	0.077	0.031	0.034	0.164
St5	2022	P5_sex_dot	real	pent gMale a5 t6	0.084	0.028	0.043	0.159
St5	2022	P5_sex_dot	real	pent gMale a6 t7	0.165	0.037	0.105	0.250
St5	2022	P5_sex_dot	real	pent gMale a7 t8	0.088	0.030	0.045	0.166
St5	2022	P5_sex_dot	real	pent gMale a8 t9	0.047	0.022	0.018	0.115
St5	2022	P5_sex_dot	real	pent gFemale a1 t2	0.032	0.021	0.009	0.110
St5	2022	P5_sex_dot	real	pent gFemale a2 t3	0.062	0.024	0.029	0.128
St5	2022	P5_sex_dot	real	pent gFemale a3 t4	0.288	0.046	0.208	0.385
St5	2022	P5_sex_dot	real	pent gFemale a4 t5	0.077	0.031	0.034	0.164
St5	2022	P5_sex_dot	real	pent gFemale a5 t6	0.084	0.028	0.043	0.159
St5	2022	P5_sex_dot	real	pent gFemale a6 t7	0.165	0.037	0.105	0.250
St5	2022	P5_sex_dot	real	pent gFemale a7 t8	0.088	0.030	0.045	0.166
St5	2022	P5_sex_dot	real	pent gFemale a8 t9	0.047	0.022	0.018	0.115
St5	2022	P6_dot_sex	real	Phi gMale a0 t1	0.414	0.053	0.316	0.520
St5	2022	P6_dot_sex	real	p gMale a0 t1	0.428	0.151	0.182	0.715
St5	2022	P6_dot_sex	real	p gFemale a0 t1	0.782	0.096	0.542	0.916
St5	2022	P6_dot_sex	real	N gMale a0 t1	97.447	27.080	68.135	187.545

St5	2022	P6_dot_sex	real	N gFemale a0 t1	74.277	6.828	67.142	97.617
St5	2022	P6_dot_sex	real	pent gMale a1 t2	0.030	0.024	0.006	0.137
St5	2022	P6_dot_sex	real	pent gMale a2 t3	0.055	0.026	0.021	0.136
St5	2022	P6_dot_sex	real	pent gMale a3 t4	0.306	0.050	0.217	0.412
St5	2022	P6_dot_sex	real	pent gMale a4 t5	0.064	0.035	0.022	0.175
St5	2022	P6_dot_sex	real	pent gMale a5 t6	0.079	0.030	0.036	0.163
St5	2022	P6_dot_sex	real	pent gMale a6 t7	0.180	0.042	0.112	0.276
St5	2022	P6_dot_sex	real	pent gMale a7 t8	0.075	0.033	0.030	0.173
St5	2022	P6_dot_sex	real	pent gMale a8 t9	0.043	0.024	0.014	0.124
St5	2022	P6_dot_sex	real	pent gFemale a1 t2	0.030	0.024	0.006	0.137
St5	2022	P6_dot_sex	real	pent gFemale a2 t3	0.055	0.026	0.021	0.136
St5	2022	P6_dot_sex	real	pent gFemale a3 t4	0.306	0.050	0.217	0.412
St5	2022	P6_dot_sex	real	pent gFemale a4 t5	0.064	0.035	0.022	0.175
St5	2022	P6_dot_sex	real	pent gFemale a5 t6	0.079	0.030	0.036	0.163
St5	2022	P6_dot_sex	real	pent gFemale a6 t7	0.180	0.042	0.112	0.276
St5	2022	P6_dot_sex	real	pent gFemale a7 t8	0.075	0.033	0.030	0.173
St5	2022	P6_dot_sex	real	pent gFemale a8 t9	0.043	0.024	0.014	0.124
St5	2022	P7_sex_sex	real	Phi gMale a0 t1	0.277	0.097	0.130	0.497
St5	2022	P7_sex_sex	real	Phi gFemale a0 t1	0.441	0.057	0.335	0.553
St5	2022	P7_sex_sex	real	p gMale a0 t1	0.673	0.284	0.141	0.963
St5	2022	P7_sex_sex	real	p gFemale a0 t1	0.777	0.097	0.538	0.912
St5	2022	P7_sex_sex	real	N gMale a0 t1	72.802	23.703	56.779	181.195
St5	2022	P7_sex_sex	real	N gFemale a0 t1	74.185	6.703	67.143	97.007
St5	2022	P7_sex_sex	real	pent gMale a1 t2	0.031	0.022	0.008	0.116
St5	2022	P7_sex_sex	real	pent gMale a2 t3	0.061	0.024	0.028	0.130
St5	2022	P7_sex_sex	real	pent gMale a3 t4	0.292	0.048	0.208	0.393
St5	2022	P7_sex_sex	real	pent gMale a4 t5	0.074	0.033	0.030	0.171
St5	2022	P7_sex_sex	real	pent gMale a5 t6	0.084	0.029	0.042	0.160
St5	2022	P7_sex_sex	real	pent gMale a6 t7	0.168	0.039	0.105	0.258
St5	2022	P7_sex_sex	real	pent gMale a7 t8	0.086	0.031	0.041	0.170
St5	2022	P7_sex_sex	real	pent gMale a8 t9	0.046	0.023	0.017	0.117
St5	2022	P7_sex_sex	real	pent gFemale a1 t2	0.031	0.022	0.008	0.116
St5	2022	P7_sex_sex	real	pent gFemale a2 t3	0.061	0.024	0.028	0.130
St5	2022	P7_sex_sex	real	pent gFemale a3 t4	0.292	0.048	0.208	0.393
St5	2022	P7_sex_sex	real	pent gFemale a4 t5	0.074	0.033	0.030	0.171
St5	2022	P7_sex_sex	real	pent gFemale a5 t6	0.084	0.029	0.042	0.160
St5	2022	P7_sex_sex	real	pent gFemale a6 t7	0.168	0.039	0.105	0.258
St5	2022	P7_sex_sex	real	pent gFemale a7 t8	0.086	0.031	0.041	0.170
St5	2022	P7_sex_sex	real	pent gFemale a8 t9	0.046	0.023	0.017	0.117
St5	2022	P8_timeSex_timeSex	real	Phi gMale a0 t1	0.332	0.125	0.141	0.600
St5	2022	P8_timeSex_timeSex	real	Phi gMale a1 t2	0.392	0.150	0.158	0.689
St5	2022	P8_timeSex_timeSex	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St5	2022	P8_timeSex_timeSex	real	Phi gMale a3 t4	0.352	0.149	0.131	0.662
St5	2022	P8_timeSex_timeSex	real	Phi gMale a4 t5	0.242	0.103	0.096	0.490
St5	2022	P8_timeSex_timeSex	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St5	2022	P8_timeSex_timeSex	real	Phi gMale a6 t7	0.472	0.240	0.119	0.855
St5	2022	P8_timeSex_timeSex	real	Phi gMale a7 t8	0.127	0.070	0.041	0.333
St5	2022	P8_timeSex_timeSex	real	Phi gFemale a0 t1	0.568	0.129	0.319	0.787
St5	2022	P8_timeSex_timeSex	real	Phi gFemale a1 t2	0.630	0.139	0.346	0.846
St5	2022	P8_timeSex_timeSex	real	Phi gFemale a2 t3	<0.001	<0.001	<0.001	<0.001
St5	2022	P8_timeSex_timeSex	real	Phi gFemale a3 t4	0.589	0.147	0.304	0.825
St5	2022	P8_timeSex_timeSex	real	Phi gFemale a4 t5	0.458	0.121	0.245	0.688
St5	2022	P8_timeSex_timeSex	real	Phi gFemale a5 t6	<0.001	<0.001	<0.001	<0.001
St5	2022	P8_timeSex_timeSex	real	Phi gFemale a6 t7	0.702	0.184	0.297	0.930
St5	2022	P8_timeSex_timeSex	real	Phi gFemale a7 t8	0.279	0.113	0.114	0.536
St5	2022	P8_timeSex_timeSex	real	p gMale a0 t1	1	<0.001	1	1
St5	2022	P8_timeSex_timeSex	real	p gMale a1 t2	1	<0.001	1	1
St5	2022	P8_timeSex_timeSex	real	p gMale a2 t3	1	<0.001	1	1
St5	2022	P8_timeSex_timeSex	real	p gMale a3 t4	1.000	<0.001	<0.001	1

St5	2022	P8_timeSex_timeSex	real	p gMale a4 t5	0.669	0.254	0.176	0.950
St5	2022	P8_timeSex_timeSex	real	p gMale a5 t6	1	<0.001	1	1
St5	2022	P8_timeSex_timeSex	real	p gMale a6 t7	1	<0.001	1	1
St5	2022	P8_timeSex_timeSex	real	p gMale a7 t8	0.693	0.278	0.148	0.967
St5	2022	P8_timeSex_timeSex	real	p gMale a8 t9	1.000	<0.001	1.000	1.000
St5	2022	P8_timeSex_timeSex	real	p gFemale a0 t1	1	<0.001	1	1
St5	2022	P8_timeSex_timeSex	real	p gFemale a1 t2	1	<0.001	1	1
St5	2022	P8_timeSex_timeSex	real	p gFemale a2 t3	1	<0.001	1	1
St5	2022	P8_timeSex_timeSex	real	p gFemale a3 t4	1.000	<0.001	<0.001	1
St5	2022	P8_timeSex_timeSex	real	p gFemale a4 t5	0.583	0.173	0.257	0.850
St5	2022	P8_timeSex_timeSex	real	p gFemale a5 t6	1	<0.001	1	1
St5	2022	P8_timeSex_timeSex	real	p gFemale a6 t7	1	<0.001	1	1
St5	2022	P8_timeSex_timeSex	real	p gFemale a7 t8	0.610	0.200	0.231	0.890
St5	2022	P8_timeSex_timeSex	real	p gFemale a8 t9	1.000	<0.001	1.000	1.000
St5	2022	P8_timeSex_timeSex	real	N gMale a0 t1	57.410	4.633	54.460	79.308
St5	2022	P8_timeSex_timeSex	real	N gFemale a0 t1	68.017	3.778	64.844	83.123
St5	2022	P8_timeSex_timeSex	real	pent gMale a1 t2	0.040	0.018	0.017	0.093
St5	2022	P8_timeSex_timeSex	real	pent gMale a2 t3	0.056	0.021	0.027	0.113
St5	2022	P8_timeSex_timeSex	real	pent gMale a3 t4	0.255	0.042	0.182	0.345
St5	2022	P8_timeSex_timeSex	real	pent gMale a4 t5	0.133	0.049	0.062	0.262
St5	2022	P8_timeSex_timeSex	real	pent gMale a5 t6	0.062	0.029	0.024	0.150
St5	2022	P8_timeSex_timeSex	real	pent gMale a6 t7	0.151	0.033	0.097	0.229
St5	2022	P8_timeSex_timeSex	real	pent gMale a7 t8	0.128	0.050	0.058	0.261
St5	2022	P8_timeSex_timeSex	real	pent gMale a8 t9	0.039	0.022	0.013	0.112
St5	2022	P8_timeSex_timeSex	real	pent gFemale a1 t2	0.040	0.018	0.017	0.093
St5	2022	P8_timeSex_timeSex	real	pent gFemale a2 t3	0.056	0.021	0.027	0.113
St5	2022	P8_timeSex_timeSex	real	pent gFemale a3 t4	0.255	0.042	0.182	0.345
St5	2022	P8_timeSex_timeSex	real	pent gFemale a4 t5	0.133	0.049	0.062	0.262
St5	2022	P8_timeSex_timeSex	real	pent gFemale a5 t6	0.062	0.029	0.024	0.150
St5	2022	P8_timeSex_timeSex	real	pent gFemale a6 t7	0.151	0.033	0.097	0.229
St5	2022	P8_timeSex_timeSex	real	pent gFemale a7 t8	0.128	0.050	0.058	0.261
St5	2022	P8_timeSex_timeSex	real	pent gFemale a8 t9	0.039	0.022	0.013	0.112
St5	2023	P1_dot_dot	real	Phi gMale a0 t1	0.347	0.057	0.246	0.465
St5	2023	P1_dot_dot	real	p gMale a0 t1	0.332	0.081	0.195	0.504
St5	2023	P1_dot_dot	real	N gMale a0 t1	414.934	77.244	304.795	619.257
St5	2023	P1_dot_dot	real	N gFemale a0 t1	292.192	55.492	213.574	439.812
St5	2023	P1_dot_dot	real	pent gMale a1 t2	0.025	0.024	0.004	0.152
St5	2023	P1_dot_dot	real	pent gMale a2 t3	0.058	0.018	0.031	0.106
St5	2023	P1_dot_dot	real	pent gMale a3 t4	0.250	0.034	0.190	0.322
St5	2023	P1_dot_dot	real	pent gMale a4 t5	0.014	0.025	<0.001	0.322
St5	2023	P1_dot_dot	real	pent gMale a5 t6	0.046	0.017	0.022	0.093
St5	2023	P1_dot_dot	real	pent gMale a6 t7	0.287	0.037	0.221	0.364
St5	2023	P1_dot_dot	real	pent gMale a7 t8	0.011	0.027	<0.001	0.624
St5	2023	P1_dot_dot	real	pent gMale a8 t9	0.066	0.019	0.038	0.114
St5	2023	P1_dot_dot	real	pent gFemale a1 t2	0.025	0.024	0.004	0.152
St5	2023	P1_dot_dot	real	pent gFemale a2 t3	0.058	0.018	0.031	0.106
St5	2023	P1_dot_dot	real	pent gFemale a3 t4	0.250	0.034	0.190	0.322
St5	2023	P1_dot_dot	real	pent gFemale a4 t5	0.014	0.025	<0.001	0.322
St5	2023	P1_dot_dot	real	pent gFemale a5 t6	0.046	0.017	0.022	0.093
St5	2023	P1_dot_dot	real	pent gFemale a6 t7	0.287	0.037	0.221	0.364
St5	2023	P1_dot_dot	real	pent gFemale a7 t8	0.011	0.027	<0.001	0.624
St5	2023	P1_dot_dot	real	pent gFemale a8 t9	0.066	0.019	0.038	0.114
St5	2023	P2_time_dot	real	Phi gMale a0 t1	0.506	0.096	0.325	0.685
St5	2023	P2_time_dot	real	Phi gMale a1 t2	0.636	0.224	0.208	0.921
St5	2023	P2_time_dot	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St5	2023	P2_time_dot	real	Phi gMale a3 t4	0.398	0.080	0.255	0.560
St5	2023	P2_time_dot	real	Phi gMale a4 t5	0.557	0.219	0.181	0.878
St5	2023	P2_time_dot	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St5	2023	P2_time_dot	real	Phi gMale a6 t7	0.428	0.081	0.281	0.589

St5	2023	P2_time_dot	real	Phi gMale a7 t8	0.406	0.172	0.144	0.735
St5	2023	P2_time_dot	real	p gMale a0 t1	0.294	0.050	0.206	0.399
St5	2023	P2_time_dot	real	N gMale a0 t1	437.706	61.743	341.846	588.975
St5	2023	P2_time_dot	real	N gFemale a0 t1	308.239	45.036	238.900	419.423
St5	2023	P2_time_dot	real	pent gMale a1 t2	<0.001	<0.001	<0.001	1
St5	2023	P2_time_dot	real	pent gMale a2 t3	0.041	0.025	0.012	0.129
St5	2023	P2_time_dot	real	pent gMale a3 t4	0.288	0.031	0.231	0.354
St5	2023	P2_time_dot	real	pent gMale a4 t5	<0.001	<0.001	<0.001	1
St5	2023	P2_time_dot	real	pent gMale a5 t6	0.036	0.022	0.011	0.115
St5	2023	P2_time_dot	real	pent gMale a6 t7	0.315	0.032	0.256	0.381
St5	2023	P2_time_dot	real	pent gMale a7 t8	<0.001	<0.001	<0.001	1
St5	2023	P2_time_dot	real	pent gMale a8 t9	0.064	0.023	0.031	0.126
St5	2023	P2_time_dot	real	pent gFemale a1 t2	<0.001	<0.001	<0.001	1
St5	2023	P2_time_dot	real	pent gFemale a2 t3	0.041	0.025	0.012	0.129
St5	2023	P2_time_dot	real	pent gFemale a3 t4	0.288	0.031	0.231	0.354
St5	2023	P2_time_dot	real	pent gFemale a4 t5	<0.001	<0.001	<0.001	1
St5	2023	P2_time_dot	real	pent gFemale a5 t6	0.036	0.022	0.011	0.115
St5	2023	P2_time_dot	real	pent gFemale a6 t7	0.315	0.032	0.256	0.381
St5	2023	P2_time_dot	real	pent gFemale a7 t8	<0.001	<0.001	<0.001	1
St5	2023	P2_time_dot	real	pent gFemale a8 t9	0.064	0.023	0.031	0.126
St5	2023	P3_dot_time	real	Phi gMale a0 t1	0.282	0.040	0.211	0.366
St5	2023	P3_dot_time	real	p gMale a0 t1	1.000	0.031	<0.001	1
St5	2023	P3_dot_time	real	p gMale a1 t2	0.485	0.135	0.245	0.732
St5	2023	P3_dot_time	real	p gMale a2 t3	1	<0.001	1	1
St5	2023	P3_dot_time	real	p gMale a3 t4	0.188	0.070	0.086	0.362
St5	2023	P3_dot_time	real	p gMale a4 t5	0.251	0.106	0.100	0.503
St5	2023	P3_dot_time	real	p gMale a5 t6	0.681	0.275	0.151	0.963
St5	2023	P3_dot_time	real	p gMale a6 t7	0.247	0.073	0.131	0.415
St5	2023	P3_dot_time	real	p gMale a7 t8	0.336	0.118	0.152	0.587
St5	2023	P3_dot_time	real	p gMale a8 t9	0.490	0.214	0.152	0.838
St5	2023	P3_dot_time	real	N gMale a0 t1	442.300	82.142	323.485	656.832
St5	2023	P3_dot_time	real	N gFemale a0 t1	311.473	59.068	226.580	466.622
St5	2023	P3_dot_time	real	pent gMale a1 t2	0.052	0.020	0.024	0.110
St5	2023	P3_dot_time	real	pent gMale a2 t3	0.016	0.008	0.006	0.042
St5	2023	P3_dot_time	real	pent gMale a3 t4	0.437	0.104	0.253	0.640
St5	2023	P3_dot_time	real	pent gMale a4 t5	<0.001	<0.001	<0.001	<0.001
St5	2023	P3_dot_time	real	pent gMale a5 t6	0.008	0.018	<0.001	0.380
St5	2023	P3_dot_time	real	pent gMale a6 t7	0.372	0.088	0.220	0.554
St5	2023	P3_dot_time	real	pent gMale a7 t8	<0.001	<0.001	<0.001	<0.001
St5	2023	P3_dot_time	real	pent gMale a8 t9	0.039	0.026	0.010	0.138
St5	2023	P3_dot_time	real	pent gFemale a1 t2	0.052	0.020	0.024	0.110
St5	2023	P3_dot_time	real	pent gFemale a2 t3	0.016	0.008	0.006	0.042
St5	2023	P3_dot_time	real	pent gFemale a3 t4	0.437	0.104	0.253	0.640
St5	2023	P3_dot_time	real	pent gFemale a4 t5	<0.001	<0.001	<0.001	<0.001
St5	2023	P3_dot_time	real	pent gFemale a5 t6	0.008	0.018	<0.001	0.380
St5	2023	P3_dot_time	real	pent gFemale a6 t7	0.372	0.088	0.220	0.554
St5	2023	P3_dot_time	real	pent gFemale a7 t8	<0.001	<0.001	<0.001	<0.001
St5	2023	P3_dot_time	real	pent gFemale a8 t9	0.039	0.026	0.010	0.138
St5	2023	P4_time_time	real	Phi gMale a0 t1	0.533	0.233	0.154	0.877
St5	2023	P4_time_time	real	Phi gMale a1 t2	0.183	0.072	0.080	0.366
St5	2023	P4_time_time	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St5	2023	P4_time_time	real	Phi gMale a3 t4	0.545	0.313	0.091	0.935
St5	2023	P4_time_time	real	Phi gMale a4 t5	0.134	0.071	0.045	0.339
St5	2023	P4_time_time	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St5	2023	P4_time_time	real	Phi gMale a6 t7	0.777	0.509	0.011	0.999
St5	2023	P4_time_time	real	Phi gMale a7 t8	0.081	0.051	0.023	0.250
St5	2023	P4_time_time	real	p gMale a0 t1	1	<0.001	1.000	1.000
St5	2023	P4_time_time	real	p gMale a1 t2	0.300	0.149	0.096	0.633
St5	2023	P4_time_time	real	p gMale a2 t3	1	<0.001	<0.001	1

St5	2023	P4_time_time	real	p gMale a3 t4	1	<0.001	1.000	1.000
St5	2023	P4_time_time	real	p gMale a4 t5	0.181	0.119	0.044	0.517
St5	2023	P4_time_time	real	p gMale a5 t6	1.000	0.135	<0.001	1
St5	2023	P4_time_time	real	p gMale a6 t7	1	<0.001	1	1
St5	2023	P4_time_time	real	p gMale a7 t8	0.168	0.119	0.037	0.518
St5	2023	P4_time_time	real	p gMale a8 t9	1.000	<0.001	1.000	1.000
St5	2023	P4_time_time	real	N gMale a0 t1	287.630	65.984	214.178	502.396
St5	2023	P4_time_time	real	N gFemale a0 t1	202.500	46.898	150.583	355.813
St5	2023	P4_time_time	real	pent gMale a1 t2	0.128	0.066	0.044	0.320
St5	2023	P4_time_time	real	pent gMale a2 t3	0.020	0.015	0.005	0.084
St5	2023	P4_time_time	real	pent gMale a3 t4	0.129	0.033	0.077	0.208
St5	2023	P4_time_time	real	pent gMale a4 t5	0.200	0.115	0.057	0.507
St5	2023	P4_time_time	real	pent gMale a5 t6	0.009	0.018	<0.001	0.346
St5	2023	P4_time_time	real	pent gMale a6 t7	0.145	0.037	0.087	0.232
St5	2023	P4_time_time	real	pent gMale a7 t8	0.227	0.132	0.063	0.563
St5	2023	P4_time_time	real	pent gMale a8 t9	0.025	0.017	0.007	0.088
St5	2023	P4_time_time	real	pent gFemale a1 t2	0.128	0.066	0.044	0.320
St5	2023	P4_time_time	real	pent gFemale a2 t3	0.020	0.015	0.005	0.084
St5	2023	P4_time_time	real	pent gFemale a3 t4	0.129	0.033	0.077	0.208
St5	2023	P4_time_time	real	pent gFemale a4 t5	0.200	0.115	0.057	0.507
St5	2023	P4_time_time	real	pent gFemale a5 t6	0.009	0.018	<0.001	0.346
St5	2023	P4_time_time	real	pent gFemale a6 t7	0.145	0.037	0.087	0.232
St5	2023	P4_time_time	real	pent gFemale a7 t8	0.227	0.132	0.063	0.563
St5	2023	P4_time_time	real	pent gFemale a8 t9	0.025	0.017	0.007	0.088
St5	2023	P5_sex_dot	real	Phi gMale a0 t1	0.366	0.060	0.258	0.489
St5	2023	P5_sex_dot	real	Phi gFemale a0 t1	0.304	0.070	0.186	0.454
St5	2023	P5_sex_dot	real	p gMale a0 t1	0.343	0.083	0.202	0.518
St5	2023	P5_sex_dot	real	N gMale a0 t1	397.624	73.571	293.598	593.673
St5	2023	P5_sex_dot	real	N gFemale a0 t1	293.719	56.985	213.438	446.060
St5	2023	P5_sex_dot	real	pent gMale a1 t2	0.026	0.023	0.005	0.138
St5	2023	P5_sex_dot	real	pent gMale a2 t3	0.058	0.018	0.031	0.105
St5	2023	P5_sex_dot	real	pent gMale a3 t4	0.245	0.033	0.186	0.315
St5	2023	P5_sex_dot	real	pent gMale a4 t5	0.020	0.024	0.002	0.187
St5	2023	P5_sex_dot	real	pent gMale a5 t6	0.048	0.017	0.024	0.093
St5	2023	P5_sex_dot	real	pent gMale a6 t7	0.287	0.036	0.221	0.363
St5	2023	P5_sex_dot	real	pent gMale a7 t8	0.011	0.027	<0.001	0.601
St5	2023	P5_sex_dot	real	pent gMale a8 t9	0.066	0.019	0.037	0.113
St5	2023	P5_sex_dot	real	pent gFemale a1 t2	0.026	0.023	0.005	0.138
St5	2023	P5_sex_dot	real	pent gFemale a2 t3	0.058	0.018	0.031	0.105
St5	2023	P5_sex_dot	real	pent gFemale a3 t4	0.245	0.033	0.186	0.315
St5	2023	P5_sex_dot	real	pent gFemale a4 t5	0.020	0.024	0.002	0.187
St5	2023	P5_sex_dot	real	pent gFemale a5 t6	0.048	0.017	0.024	0.093
St5	2023	P5_sex_dot	real	pent gFemale a6 t7	0.287	0.036	0.221	0.363
St5	2023	P5_sex_dot	real	pent gFemale a7 t8	0.011	0.027	<0.001	0.601
St5	2023	P5_sex_dot	real	pent gFemale a8 t9	0.066	0.019	0.037	0.113
St5	2023	P6_dot_sex	real	Phi gMale a0 t1	0.356	0.057	0.253	0.474
St5	2023	P6_dot_sex	real	p gMale a0 t1	0.378	0.094	0.217	0.571
St5	2023	P6_dot_sex	real	p gFemale a0 t1	0.243	0.082	0.119	0.434
St5	2023	P6_dot_sex	real	N gMale a0 t1	369.055	70.240	272.728	561.308
St5	2023	P6_dot_sex	real	N gFemale a0 t1	381.442	106.725	241.949	685.906
St5	2023	P6_dot_sex	real	pent gMale a1 t2	0.023	0.024	0.003	0.164
St5	2023	P6_dot_sex	real	pent gMale a2 t3	0.057	0.019	0.030	0.107
St5	2023	P6_dot_sex	real	pent gMale a3 t4	0.256	0.035	0.193	0.330
St5	2023	P6_dot_sex	real	pent gMale a4 t5	0.009	0.026	<0.001	0.762
St5	2023	P6_dot_sex	real	pent gMale a5 t6	0.044	0.017	0.020	0.093
St5	2023	P6_dot_sex	real	pent gMale a6 t7	0.287	0.037	0.221	0.364
St5	2023	P6_dot_sex	real	pent gMale a7 t8	0.012	0.027	<0.001	0.539
St5	2023	P6_dot_sex	real	pent gMale a8 t9	0.067	0.019	0.038	0.115
St5	2023	P6_dot_sex	real	pent gFemale a1 t2	0.023	0.024	0.003	0.164

St5	2023	P6_dot_sex	real	pent gFemale a2 t3	0.057	0.019	0.030	0.107
St5	2023	P6_dot_sex	real	pent gFemale a3 t4	0.256	0.035	0.193	0.330
St5	2023	P6_dot_sex	real	pent gFemale a4 t5	0.009	0.026	<0.001	0.762
St5	2023	P6_dot_sex	real	pent gFemale a5 t6	0.044	0.017	0.020	0.093
St5	2023	P6_dot_sex	real	pent gFemale a6 t7	0.287	0.037	0.221	0.364
St5	2023	P6_dot_sex	real	pent gFemale a7 t8	0.012	0.027	<0.001	0.539
St5	2023	P6_dot_sex	real	pent gFemale a8 t9	0.067	0.019	0.038	0.115
St5	2023	P7_sex_sex	real	Phi gMale a0 t1	0.359	0.061	0.250	0.485
St5	2023	P7_sex_sex	real	Phi gFemale a0 t1	0.348	0.082	0.208	0.519
St5	2023	P7_sex_sex	real	p gMale a0 t1	0.376	0.094	0.215	0.570
St5	2023	P7_sex_sex	real	p gFemale a0 t1	0.249	0.095	0.110	0.472
St5	2023	P7_sex_sex	real	N gMale a0 t1	369.735	70.348	273.194	562.169
St5	2023	P7_sex_sex	real	N gFemale a0 t1	375.927	112.593	233.150	705.465
St5	2023	P7_sex_sex	real	pent gMale a1 t2	0.023	0.024	0.003	0.163
St5	2023	P7_sex_sex	real	pent gMale a2 t3	0.057	0.019	0.030	0.107
St5	2023	P7_sex_sex	real	pent gMale a3 t4	0.255	0.036	0.191	0.330
St5	2023	P7_sex_sex	real	pent gMale a4 t5	0.010	0.027	<0.001	0.696
St5	2023	P7_sex_sex	real	pent gMale a5 t6	0.045	0.017	0.021	0.094
St5	2023	P7_sex_sex	real	pent gMale a6 t7	0.287	0.037	0.221	0.364
St5	2023	P7_sex_sex	real	pent gMale a7 t8	0.011	0.027	<0.001	0.574
St5	2023	P7_sex_sex	real	pent gMale a8 t9	0.067	0.019	0.038	0.115
St5	2023	P7_sex_sex	real	pent gFemale a1 t2	0.023	0.024	0.003	0.163
St5	2023	P7_sex_sex	real	pent gFemale a2 t3	0.057	0.019	0.030	0.107
St5	2023	P7_sex_sex	real	pent gFemale a3 t4	0.255	0.036	0.191	0.330
St5	2023	P7_sex_sex	real	pent gFemale a4 t5	0.010	0.027	<0.001	0.696
St5	2023	P7_sex_sex	real	pent gFemale a5 t6	0.045	0.017	0.021	0.094
St5	2023	P7_sex_sex	real	pent gFemale a6 t7	0.287	0.037	0.221	0.364
St5	2023	P7_sex_sex	real	pent gFemale a7 t8	0.011	0.027	<0.001	0.574
St5	2023	P7_sex_sex	real	pent gFemale a8 t9	0.067	0.019	0.038	0.115
St5	2023	P8_timeSex_timeSex	real	Phi gMale a0 t1	0.638	0.227	0.204	0.924
St5	2023	P8_timeSex_timeSex	real	Phi gMale a1 t2	0.708	0.435	0.038	0.993
St5	2023	P8_timeSex_timeSex	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St5	2023	P8_timeSex_timeSex	real	Phi gMale a3 t4	0.789	0.241	0.179	0.985
St5	2023	P8_timeSex_timeSex	real	Phi gMale a4 t5	1	<0.001	1	1
St5	2023	P8_timeSex_timeSex	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St5	2023	P8_timeSex_timeSex	real	Phi gMale a6 t7	1	<0.001	1	1
St5	2023	P8_timeSex_timeSex	real	Phi gMale a7 t8	0.090	0.033	0.043	0.179
St5	2023	P8_timeSex_timeSex	real	Phi gFemale a0 t1	0.318	0.179	0.085	0.701
St5	2023	P8_timeSex_timeSex	real	Phi gFemale a1 t2	0.391	0.428	0.019	0.956
St5	2023	P8_timeSex_timeSex	real	Phi gFemale a2 t3	<0.001	<0.001	<0.001	<0.001
St5	2023	P8_timeSex_timeSex	real	Phi gFemale a3 t4	0.498	0.320	0.075	0.924
St5	2023	P8_timeSex_timeSex	real	Phi gFemale a4 t5	1	<0.001	1	1
St5	2023	P8_timeSex_timeSex	real	Phi gFemale a5 t6	<0.001	<0.001	<0.001	<0.001
St5	2023	P8_timeSex_timeSex	real	Phi gFemale a6 t7	1	<0.001	1	1
St5	2023	P8_timeSex_timeSex	real	Phi gFemale a7 t8	0.025	0.019	0.006	0.108
St5	2023	P8_timeSex_timeSex	real	p gMale a0 t1	0.667	0.385	0.063	0.984
St5	2023	P8_timeSex_timeSex	real	p gMale a1 t2	0.306	0.139	0.109	0.615
St5	2023	P8_timeSex_timeSex	real	p gMale a2 t3	0.278	0.234	0.038	0.791
St5	2023	P8_timeSex_timeSex	real	p gMale a3 t4	1.000	<0.001	<0.001	1
St5	2023	P8_timeSex_timeSex	real	p gMale a4 t5	0.121	0.070	0.036	0.334
St5	2023	P8_timeSex_timeSex	real	p gMale a5 t6	0.095	0.045	0.037	0.227
St5	2023	P8_timeSex_timeSex	real	p gMale a6 t7	1	<0.001	1	1
St5	2023	P8_timeSex_timeSex	real	p gMale a7 t8	0.111	0.035	0.058	0.201
St5	2023	P8_timeSex_timeSex	real	p gMale a8 t9	1	<0.001	1	1
St5	2023	P8_timeSex_timeSex	real	p gFemale a0 t1	0.761	0.308	0.104	0.989
St5	2023	P8_timeSex_timeSex	real	p gFemale a1 t2	0.412	0.170	0.150	0.735
St5	2023	P8_timeSex_timeSex	real	p gFemale a2 t3	0.379	0.281	0.056	0.864
St5	2023	P8_timeSex_timeSex	real	p gFemale a3 t4	1.000	<0.001	<0.001	1
St5	2023	P8_timeSex_timeSex	real	p gFemale a4 t5	0.179	0.101	0.054	0.457

St5	2023	P8_timeSex_timeSex	real	p gFemale a5 t6	0.143	0.065	0.056	0.319
St5	2023	P8_timeSex_timeSex	real	p gFemale a6 t7	1	<0.001	1	1
St5	2023	P8_timeSex_timeSex	real	p gFemale a7 t8	0.166	0.059	0.079	0.314
St5	2023	P8_timeSex_timeSex	real	p gFemale a8 t9	1	<0.001	1	1
St5	2023	P8_timeSex_timeSex	real	N gMale a0 t1	361.968	60.659	275.718	522.817
St5	2023	P8_timeSex_timeSex	real	N gFemale a0 t1	237.509	41.475	180.715	351.176
St5	2023	P8_timeSex_timeSex	real	pent gMale a1 t2	0.069	0.048	0.017	0.240
St5	2023	P8_timeSex_timeSex	real	pent gMale a2 t3	0.063	0.048	0.014	0.249
St5	2023	P8_timeSex_timeSex	real	pent gMale a3 t4	0.105	0.021	0.070	0.154
St5	2023	P8_timeSex_timeSex	real	pent gMale a4 t5	0.207	0.120	0.059	0.521
St5	2023	P8_timeSex_timeSex	real	pent gMale a5 t6	0.042	0.129	<0.001	0.957
St5	2023	P8_timeSex_timeSex	real	pent gMale a6 t7	0.118	0.023	0.080	0.172
St5	2023	P8_timeSex_timeSex	real	pent gMale a7 t8	0.242	0.078	0.122	0.423
St5	2023	P8_timeSex_timeSex	real	pent gMale a8 t9	0.019	0.011	0.006	0.059
St5	2023	P8_timeSex_timeSex	real	pent gFemale a1 t2	0.069	0.048	0.017	0.240
St5	2023	P8_timeSex_timeSex	real	pent gFemale a2 t3	0.063	0.048	0.014	0.249
St5	2023	P8_timeSex_timeSex	real	pent gFemale a3 t4	0.105	0.021	0.070	0.154
St5	2023	P8_timeSex_timeSex	real	pent gFemale a4 t5	0.207	0.120	0.059	0.521
St5	2023	P8_timeSex_timeSex	real	pent gFemale a5 t6	0.042	0.129	<0.001	0.957
St5	2023	P8_timeSex_timeSex	real	pent gFemale a6 t7	0.118	0.023	0.080	0.172
St5	2023	P8_timeSex_timeSex	real	pent gFemale a7 t8	0.242	0.078	0.122	0.423
St5	2023	P8_timeSex_timeSex	real	pent gFemale a8 t9	0.019	0.011	0.006	0.059
St5	2024	P1_dot_dot	real	Phi gMale a0 t1	0.462	0.055	0.357	0.570
St5	2024	P1_dot_dot	real	p gMale a0 t1	0.460	0.087	0.299	0.629
St5	2024	P1_dot_dot	real	N gMale a0 t1	122.041	17.122	98.393	168.615
St5	2024	P1_dot_dot	real	N gFemale a0 t1	102.169	14.721	82.031	142.551
St5	2024	P1_dot_dot	real	pent gMale a1 t2	0.005	0.029	<0.001	0.998
St5	2024	P1_dot_dot	real	pent gMale a2 t3	0.024	0.020	0.005	0.117
St5	2024	P1_dot_dot	real	pent gMale a3 t4	0.290	0.052	0.198	0.402
St5	2024	P1_dot_dot	real	pent gMale a4 t5	0.109	0.044	0.047	0.231
St5	2024	P1_dot_dot	real	pent gMale a5 t6	0.089	0.037	0.039	0.194
St5	2024	P1_dot_dot	real	pent gMale a6 t7	0.208	0.047	0.131	0.313
St5	2024	P1_dot_dot	real	pent gMale a7 t8	0.027	0.034	0.002	0.262
St5	2024	P1_dot_dot	real	pent gMale a8 t9	0.036	0.024	0.009	0.129
St5	2024	P1_dot_dot	real	pent gFemale a1 t2	0.005	0.029	<0.001	0.998
St5	2024	P1_dot_dot	real	pent gFemale a2 t3	0.024	0.020	0.005	0.117
St5	2024	P1_dot_dot	real	pent gFemale a3 t4	0.290	0.052	0.198	0.402
St5	2024	P1_dot_dot	real	pent gFemale a4 t5	0.109	0.044	0.047	0.231
St5	2024	P1_dot_dot	real	pent gFemale a5 t6	0.089	0.037	0.039	0.194
St5	2024	P1_dot_dot	real	pent gFemale a6 t7	0.208	0.047	0.131	0.313
St5	2024	P1_dot_dot	real	pent gFemale a7 t8	0.027	0.034	0.002	0.262
St5	2024	P1_dot_dot	real	pent gFemale a8 t9	0.036	0.024	0.009	0.129
St5	2024	P2_time_dot	real	Phi gMale a0 t1	0.682	0.151	0.354	0.893
St5	2024	P2_time_dot	real	Phi gMale a1 t2	0.948	0.255	0.001	1.000
St5	2024	P2_time_dot	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St5	2024	P2_time_dot	real	Phi gMale a3 t4	0.453	0.148	0.204	0.728
St5	2024	P2_time_dot	real	Phi gMale a4 t5	0.558	0.190	0.218	0.851
St5	2024	P2_time_dot	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St5	2024	P2_time_dot	real	Phi gMale a6 t7	0.983	0.184	<0.001	1
St5	2024	P2_time_dot	real	Phi gMale a7 t8	0.477	0.178	0.184	0.786
St5	2024	P2_time_dot	real	p gMale a0 t1	0.440	0.064	0.321	0.566
St5	2024	P2_time_dot	real	N gMale a0 t1	117.130	13.116	98.079	151.255
St5	2024	P2_time_dot	real	N gFemale a0 t1	98.054	11.410	81.678	128.059
St5	2024	P2_time_dot	real	pent gMale a1 t2	<0.001	<0.001	<0.001	<0.001
St5	2024	P2_time_dot	real	pent gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St5	2024	P2_time_dot	real	pent gMale a3 t4	0.326	0.057	0.225	0.446
St5	2024	P2_time_dot	real	pent gMale a4 t5	0.117	0.054	0.046	0.269
St5	2024	P2_time_dot	real	pent gMale a5 t6	0.084	0.045	0.028	0.225
St5	2024	P2_time_dot	real	pent gMale a6 t7	0.231	0.040	0.163	0.317

St5	2024	P2_time_dot	real	pent gMale a7 t8	<0.001	<0.001	<0.001	<0.001
St5	2024	P2_time_dot	real	pent gMale a8 t9	0.029	0.030	0.004	0.193
St5	2024	P2_time_dot	real	pent gFemale a1 t2	<0.001	<0.001	<0.001	<0.001
St5	2024	P2_time_dot	real	pent gFemale a2 t3	<0.001	<0.001	<0.001	<0.001
St5	2024	P2_time_dot	real	pent gFemale a3 t4	0.326	0.057	0.225	0.446
St5	2024	P2_time_dot	real	pent gFemale a4 t5	0.117	0.054	0.046	0.269
St5	2024	P2_time_dot	real	pent gFemale a5 t6	0.084	0.045	0.028	0.225
St5	2024	P2_time_dot	real	pent gFemale a6 t7	0.231	0.040	0.163	0.317
St5	2024	P2_time_dot	real	pent gFemale a7 t8	<0.001	<0.001	<0.001	<0.001
St5	2024	P2_time_dot	real	pent gFemale a8 t9	0.029	0.030	0.004	0.193
St5	2024	P3_dot_time	real	Phi gMale a0 t1	0.446	0.052	0.348	0.549
St5	2024	P3_dot_time	real	p gMale a0 t1	1.000	0.021	<0.001	1
St5	2024	P3_dot_time	real	p gMale a1 t2	0.545	0.150	0.268	0.797
St5	2024	P3_dot_time	real	p gMale a2 t3	1	<0.001	1	1
St5	2024	P3_dot_time	real	p gMale a3 t4	0.151	0.044	0.084	0.258
St5	2024	P3_dot_time	real	p gMale a4 t5	0.251	0.075	0.133	0.422
St5	2024	P3_dot_time	real	p gMale a5 t6	0.565	0.199	0.210	0.864
St5	2024	P3_dot_time	real	p gMale a6 t7	0.285	0.089	0.145	0.484
St5	2024	P3_dot_time	real	p gMale a7 t8	0.445	0.142	0.207	0.712
St5	2024	P3_dot_time	real	p gMale a8 t9	0.549	0.208	0.190	0.863
St5	2024	P3_dot_time	real	N gMale a0 t1	170.911	29.321	128.256	247.099
St5	2024	P3_dot_time	real	N gFemale a0 t1	143.116	25.183	106.761	208.999
St5	2024	P3_dot_time	real	pent gMale a1 t2	0.035	0.018	0.013	0.093
St5	2024	P3_dot_time	real	pent gMale a2 t3	0.006	0.008	<0.001	0.095
St5	2024	P3_dot_time	real	pent gMale a3 t4	0.637	0.075	0.482	0.769
St5	2024	P3_dot_time	real	pent gMale a4 t5	<0.001	<0.001	<0.001	<0.001
St5	2024	P3_dot_time	real	pent gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St5	2024	P3_dot_time	real	pent gMale a6 t7	0.237	0.072	0.125	0.404
St5	2024	P3_dot_time	real	pent gMale a7 t8	<0.001	<0.001	<0.001	<0.001
St5	2024	P3_dot_time	real	pent gMale a8 t9	0.015	0.022	0.001	0.214
St5	2024	P3_dot_time	real	pent gFemale a1 t2	0.035	0.018	0.013	0.093
St5	2024	P3_dot_time	real	pent gFemale a2 t3	0.006	0.008	<0.001	0.095
St5	2024	P3_dot_time	real	pent gFemale a3 t4	0.637	0.075	0.482	0.769
St5	2024	P3_dot_time	real	pent gFemale a4 t5	<0.001	<0.001	<0.001	<0.001
St5	2024	P3_dot_time	real	pent gFemale a5 t6	<0.001	<0.001	<0.001	<0.001
St5	2024	P3_dot_time	real	pent gFemale a6 t7	0.237	0.072	0.125	0.404
St5	2024	P3_dot_time	real	pent gFemale a7 t8	<0.001	<0.001	<0.001	<0.001
St5	2024	P3_dot_time	real	pent gFemale a8 t9	0.015	0.022	0.001	0.214
St5	2024	P4_time_time	real	Phi gMale a0 t1	0.783	0.256	0.158	0.986
St5	2024	P4_time_time	real	Phi gMale a1 t2	0.388	0.141	0.165	0.670
St5	2024	P4_time_time	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St5	2024	P4_time_time	real	Phi gMale a3 t4	0.715	0.335	0.091	0.984
St5	2024	P4_time_time	real	Phi gMale a4 t5	0.196	0.083	0.080	0.407
St5	2024	P4_time_time	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St5	2024	P4_time_time	real	Phi gMale a6 t7	1	<0.001	1	1
St5	2024	P4_time_time	real	Phi gMale a7 t8	0.206	0.069	0.102	0.374
St5	2024	P4_time_time	real	p gMale a0 t1	1.000	0.002	<0.001	1
St5	2024	P4_time_time	real	p gMale a1 t2	0.409	0.171	0.147	0.735
St5	2024	P4_time_time	real	p gMale a2 t3	1.000	0.112	<0.001	1
St5	2024	P4_time_time	real	p gMale a3 t4	1	<0.001	1	1
St5	2024	P4_time_time	real	p gMale a4 t5	0.205	0.087	0.084	0.422
St5	2024	P4_time_time	real	p gMale a5 t6	1	<0.001	1.000	1.000
St5	2024	P4_time_time	real	p gMale a6 t7	0.547	1.272	<0.001	1.000
St5	2024	P4_time_time	real	p gMale a7 t8	0.404	0.098	0.234	0.600
St5	2024	P4_time_time	real	p gMale a8 t9	1	<0.001	1	1
St5	2024	P4_time_time	real	N gMale a0 t1	113.529	20.260	89.339	175.864
St5	2024	P4_time_time	real	N gFemale a0 t1	95.037	17.220	74.638	148.360
St5	2024	P4_time_time	real	pent gMale a1 t2	0.070	0.040	0.022	0.202
St5	2024	P4_time_time	real	pent gMale a2 t3	0.003	0.015	<0.001	0.978

St5	2024	P4_time_time	real	pent gMale a3 t4	0.149	0.036	0.091	0.232
St5	2024	P4_time_time	real	pent gMale a4 t5	0.432	0.101	0.253	0.630
St5	2024	P4_time_time	real	pent gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St5	2024	P4_time_time	real	pent gMale a6 t7	0.219	0.509	0.001	0.990
St5	2024	P4_time_time	real	pent gMale a7 t8	0.007	0.506	<0.001	1
St5	2024	P4_time_time	real	pent gMale a8 t9	0.016	0.015	0.002	0.093
St5	2024	P4_time_time	real	pent gFemale a1 t2	0.070	0.040	0.022	0.202
St5	2024	P4_time_time	real	pent gFemale a2 t3	0.003	0.015	<0.001	0.978
St5	2024	P4_time_time	real	pent gFemale a3 t4	0.149	0.036	0.091	0.232
St5	2024	P4_time_time	real	pent gFemale a4 t5	0.432	0.101	0.253	0.630
St5	2024	P4_time_time	real	pent gFemale a5 t6	<0.001	<0.001	<0.001	<0.001
St5	2024	P4_time_time	real	pent gFemale a6 t7	0.219	0.509	0.001	0.990
St5	2024	P4_time_time	real	pent gFemale a7 t8	0.007	0.506	<0.001	1
St5	2024	P4_time_time	real	pent gFemale a8 t9	0.016	0.015	0.002	0.093
St5	2024	P5_sex_dot	real	Phi gMale a0 t1	0.440	0.070	0.311	0.578
St5	2024	P5_sex_dot	real	Phi gFemale a0 t1	0.481	0.067	0.353	0.611
St5	2024	P5_sex_dot	real	p gMale a0 t1	0.464	0.088	0.302	0.633
St5	2024	P5_sex_dot	real	N gMale a0 t1	123.064	17.653	98.761	171.220
St5	2024	P5_sex_dot	real	N gFemale a0 t1	100.323	14.554	80.665	140.688
St5	2024	P5_sex_dot	real	pent gMale a1 t2	0.006	0.029	<0.001	0.995
St5	2024	P5_sex_dot	real	pent gMale a2 t3	0.024	0.020	0.005	0.116
St5	2024	P5_sex_dot	real	pent gMale a3 t4	0.289	0.052	0.198	0.401
St5	2024	P5_sex_dot	real	pent gMale a4 t5	0.109	0.044	0.047	0.230
St5	2024	P5_sex_dot	real	pent gMale a5 t6	0.090	0.037	0.039	0.193
St5	2024	P5_sex_dot	real	pent gMale a6 t7	0.206	0.046	0.130	0.311
St5	2024	P5_sex_dot	real	pent gMale a7 t8	0.028	0.034	0.003	0.242
St5	2024	P5_sex_dot	real	pent gMale a8 t9	0.036	0.024	0.010	0.128
St5	2024	P5_sex_dot	real	pent gFemale a1 t2	0.006	0.029	<0.001	0.995
St5	2024	P5_sex_dot	real	pent gFemale a2 t3	0.024	0.020	0.005	0.116
St5	2024	P5_sex_dot	real	pent gFemale a3 t4	0.289	0.052	0.198	0.401
St5	2024	P5_sex_dot	real	pent gFemale a4 t5	0.109	0.044	0.047	0.230
St5	2024	P5_sex_dot	real	pent gFemale a5 t6	0.090	0.037	0.039	0.193
St5	2024	P5_sex_dot	real	pent gFemale a6 t7	0.206	0.046	0.130	0.311
St5	2024	P5_sex_dot	real	pent gFemale a7 t8	0.028	0.034	0.003	0.242
St5	2024	P5_sex_dot	real	pent gFemale a8 t9	0.036	0.024	0.010	0.128
St5	2024	P6_dot_sex	real	Phi gMale a0 t1	0.465	0.055	0.360	0.574
St5	2024	P6_dot_sex	real	p gMale a0 t1	0.392	0.099	0.223	0.592
St5	2024	P6_dot_sex	real	p gFemale a0 t1	0.527	0.112	0.315	0.729
St5	2024	P6_dot_sex	real	N gMale a0 t1	137.191	26.125	103.008	211.654
St5	2024	P6_dot_sex	real	N gFemale a0 t1	92.352	14.439	74.523	135.564
St5	2024	P6_dot_sex	real	pent gMale a1 t2	0.005	0.029	<0.001	0.996
St5	2024	P6_dot_sex	real	pent gMale a2 t3	0.024	0.020	0.005	0.117
St5	2024	P6_dot_sex	real	pent gMale a3 t4	0.290	0.052	0.198	0.402
St5	2024	P6_dot_sex	real	pent gMale a4 t5	0.110	0.045	0.049	0.232
St5	2024	P6_dot_sex	real	pent gMale a5 t6	0.088	0.037	0.038	0.194
St5	2024	P6_dot_sex	real	pent gMale a6 t7	0.210	0.047	0.132	0.317
St5	2024	P6_dot_sex	real	pent gMale a7 t8	0.024	0.035	0.001	0.305
St5	2024	P6_dot_sex	real	pent gMale a8 t9	0.035	0.025	0.009	0.131
St5	2024	P6_dot_sex	real	pent gFemale a1 t2	0.005	0.029	<0.001	0.996
St5	2024	P6_dot_sex	real	pent gFemale a2 t3	0.024	0.020	0.005	0.117
St5	2024	P6_dot_sex	real	pent gFemale a3 t4	0.290	0.052	0.198	0.402
St5	2024	P6_dot_sex	real	pent gFemale a4 t5	0.110	0.045	0.049	0.232
St5	2024	P6_dot_sex	real	pent gFemale a5 t6	0.088	0.037	0.038	0.194
St5	2024	P6_dot_sex	real	pent gFemale a6 t7	0.210	0.047	0.132	0.317
St5	2024	P6_dot_sex	real	pent gFemale a7 t8	0.024	0.035	0.001	0.305
St5	2024	P6_dot_sex	real	pent gFemale a8 t9	0.035	0.025	0.009	0.131
St5	2024	P7_sex_sex	real	Phi gMale a0 t1	0.466	0.076	0.325	0.614
St5	2024	P7_sex_sex	real	Phi gFemale a0 t1	0.465	0.069	0.336	0.599
St5	2024	P7_sex_sex	real	p gMale a0 t1	0.392	0.106	0.213	0.606

St5	2024	P7_sex_sex	real	p gFemale a0 t1	0.527	0.115	0.311	0.734
St5	2024	P7_sex_sex	real	N gMale a0 t1	137.267	26.546	102.735	213.301
St5	2024	P7_sex_sex	real	N gFemale a0 t1	92.337	14.468	74.492	135.672
St5	2024	P7_sex_sex	real	pent gMale a1 t2	0.005	0.029	<0.001	0.996
St5	2024	P7_sex_sex	real	pent gMale a2 t3	0.024	0.020	0.005	0.117
St5	2024	P7_sex_sex	real	pent gMale a3 t4	0.290	0.053	0.198	0.402
St5	2024	P7_sex_sex	real	pent gMale a4 t5	0.111	0.045	0.049	0.232
St5	2024	P7_sex_sex	real	pent gMale a5 t6	0.088	0.037	0.037	0.194
St5	2024	P7_sex_sex	real	pent gMale a6 t7	0.210	0.047	0.132	0.318
St5	2024	P7_sex_sex	real	pent gMale a7 t8	0.024	0.035	0.001	0.310
St5	2024	P7_sex_sex	real	pent gMale a8 t9	0.035	0.025	0.009	0.132
St5	2024	P7_sex_sex	real	pent gFemale a1 t2	0.005	0.029	<0.001	0.996
St5	2024	P7_sex_sex	real	pent gFemale a2 t3	0.024	0.020	0.005	0.117
St5	2024	P7_sex_sex	real	pent gFemale a3 t4	0.290	0.053	0.198	0.402
St5	2024	P7_sex_sex	real	pent gFemale a4 t5	0.111	0.045	0.049	0.232
St5	2024	P7_sex_sex	real	pent gFemale a5 t6	0.088	0.037	0.037	0.194
St5	2024	P7_sex_sex	real	pent gFemale a6 t7	0.210	0.047	0.132	0.318
St5	2024	P7_sex_sex	real	pent gFemale a7 t8	0.024	0.035	0.001	0.310
St5	2024	P7_sex_sex	real	pent gFemale a8 t9	0.035	0.025	0.009	0.132
St5	2024	P8_timeSex_timeSex	real	Phi gMale a0 t1	0.785	0.281	0.122	0.990
St5	2024	P8_timeSex_timeSex	real	Phi gMale a1 t2	0.890	4.500	<0.001	1
St5	2024	P8_timeSex_timeSex	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St5	2024	P8_timeSex_timeSex	real	Phi gMale a3 t4	0.717	0.362	0.071	0.988
St5	2024	P8_timeSex_timeSex	real	Phi gMale a4 t5	0.182	0.091	0.063	0.425
St5	2024	P8_timeSex_timeSex	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St5	2024	P8_timeSex_timeSex	real	Phi gMale a6 t7	1	<0.001	1	1
St5	2024	P8_timeSex_timeSex	real	Phi gMale a7 t8	0.267	0.501	0.002	0.982
St5	2024	P8_timeSex_timeSex	real	Phi gFemale a0 t1	0.809	0.254	0.144	0.991
St5	2024	P8_timeSex_timeSex	real	Phi gFemale a1 t2	0.904	3.980	<0.001	1
St5	2024	P8_timeSex_timeSex	real	Phi gFemale a2 t3	<0.001	<0.001	<0.001	<0.001
St5	2024	P8_timeSex_timeSex	real	Phi gFemale a3 t4	0.747	0.354	0.070	0.991
St5	2024	P8_timeSex_timeSex	real	Phi gFemale a4 t5	0.206	0.093	0.078	0.442
St5	2024	P8_timeSex_timeSex	real	Phi gFemale a5 t6	<0.001	<0.001	<0.001	<0.001
St5	2024	P8_timeSex_timeSex	real	Phi gFemale a6 t7	1	<0.001	1	1
St5	2024	P8_timeSex_timeSex	real	Phi gFemale a7 t8	0.298	0.490	0.004	0.977
St5	2024	P8_timeSex_timeSex	real	p gMale a0 t1	0.584	0.855	0.001	0.999
St5	2024	P8_timeSex_timeSex	real	p gMale a1 t2	0.342	0.166	0.109	0.688
St5	2024	P8_timeSex_timeSex	real	p gMale a2 t3	0.366	1.901	<0.001	1.000
St5	2024	P8_timeSex_timeSex	real	p gMale a3 t4	1.000	0.009	<0.001	1
St5	2024	P8_timeSex_timeSex	real	p gMale a4 t5	0.169	0.080	0.063	0.382
St5	2024	P8_timeSex_timeSex	real	p gMale a5 t6	1	<0.001	1	1
St5	2024	P8_timeSex_timeSex	real	p gMale a6 t7	0.479	0.121	0.262	0.703
St5	2024	P8_timeSex_timeSex	real	p gMale a7 t8	0.354	0.100	0.188	0.564
St5	2024	P8_timeSex_timeSex	real	p gMale a8 t9	0.702	1.391	<0.001	1.000
St5	2024	P8_timeSex_timeSex	real	p gFemale a0 t1	0.691	0.761	0.002	1.000
St5	2024	P8_timeSex_timeSex	real	p gFemale a1 t2	0.453	0.184	0.162	0.780
St5	2024	P8_timeSex_timeSex	real	p gFemale a2 t3	0.479	2.052	<0.001	1.000
St5	2024	P8_timeSex_timeSex	real	p gFemale a3 t4	1.000	0.006	<0.001	1
St5	2024	P8_timeSex_timeSex	real	p gFemale a4 t5	0.244	0.109	0.093	0.506
St5	2024	P8_timeSex_timeSex	real	p gFemale a5 t6	1	<0.001	1	1
St5	2024	P8_timeSex_timeSex	real	p gFemale a6 t7	0.594	0.120	0.355	0.795
St5	2024	P8_timeSex_timeSex	real	p gFemale a7 t8	0.466	0.112	0.265	0.679
St5	2024	P8_timeSex_timeSex	real	p gFemale a8 t9	0.789	1.101	<0.001	1.000
St5	2024	P8_timeSex_timeSex	real	N gMale a0 t1	124.397	26.784	92.960	207.956
St5	2024	P8_timeSex_timeSex	real	N gFemale a0 t1	91.819	17.359	72.343	147.968
St5	2024	P8_timeSex_timeSex	real	pent gMale a1 t2	0.025	0.165	<0.001	1.000
St5	2024	P8_timeSex_timeSex	real	pent gMale a2 t3	0.006	0.043	<0.001	1.000
St5	2024	P8_timeSex_timeSex	real	pent gMale a3 t4	0.143	0.036	0.086	0.230
St5	2024	P8_timeSex_timeSex	real	pent gMale a4 t5	0.425	0.105	0.241	0.632

St5	2024	P8_timeSex_timeSex	real	pent gMale a5 t6	<0.001	0.001	<0.001	1
St5	2024	P8_timeSex_timeSex	real	pent gMale a6 t7	0.220	0.058	0.128	0.353
St5	2024	P8_timeSex_timeSex	real	pent gMale a7 t8	<0.001	0.001	<0.001	1
St5	2024	P8_timeSex_timeSex	real	pent gMale a8 t9	0.020	0.036	<0.001	0.446
St5	2024	P8_timeSex_timeSex	real	pent gFemale a1 t2	0.025	0.165	<0.001	1.000
St5	2024	P8_timeSex_timeSex	real	pent gFemale a2 t3	0.006	0.043	<0.001	1.000
St5	2024	P8_timeSex_timeSex	real	pent gFemale a3 t4	0.143	0.036	0.086	0.230
St5	2024	P8_timeSex_timeSex	real	pent gFemale a4 t5	0.425	0.105	0.241	0.632
St5	2024	P8_timeSex_timeSex	real	pent gFemale a5 t6	<0.001	0.001	<0.001	1
St5	2024	P8_timeSex_timeSex	real	pent gFemale a6 t7	0.220	0.058	0.128	0.353
St5	2024	P8_timeSex_timeSex	real	pent gFemale a7 t8	<0.001	0.001	<0.001	1
St5	2024	P8_timeSex_timeSex	real	pent gFemale a8 t9	0.020	0.036	<0.001	0.446
St6	2022	P1_dot_dot	real	Phi gMale a0 t1	0.317	0.072	0.195	0.470
St6	2022	P1_dot_dot	real	p gMale a0 t1	0.367	0.121	0.173	0.616
St6	2022	P1_dot_dot	real	N gMale a0 t1	190.814	48.903	130.171	336.645
St6	2022	P1_dot_dot	real	N gFemale a0 t1	173.222	44.622	118.016	306.541
St6	2022	P1_dot_dot	real	pent gMale a1 t2	0.149	0.035	0.093	0.231
St6	2022	P1_dot_dot	real	pent gMale a2 t3	0.055	0.028	0.020	0.142
St6	2022	P1_dot_dot	real	pent gMale a3 t4	0.266	0.045	0.187	0.363
St6	2022	P1_dot_dot	real	pent gMale a4 t5	0.122	0.038	0.065	0.218
St6	2022	P1_dot_dot	real	pent gMale a5 t6	0.084	0.031	0.040	0.167
St6	2022	P1_dot_dot	real	pent gMale a6 t7	0.133	0.033	0.080	0.213
St6	2022	P1_dot_dot	real	pent gMale a7 t8	0.051	0.027	0.018	0.136
St6	2022	P1_dot_dot	real	pent gMale a8 t9	0.028	0.019	0.007	0.102
St6	2022	P1_dot_dot	real	pent gFemale a1 t2	0.149	0.035	0.093	0.231
St6	2022	P1_dot_dot	real	pent gFemale a2 t3	0.055	0.028	0.020	0.142
St6	2022	P1_dot_dot	real	pent gFemale a3 t4	0.266	0.045	0.187	0.363
St6	2022	P1_dot_dot	real	pent gFemale a4 t5	0.122	0.038	0.065	0.218
St6	2022	P1_dot_dot	real	pent gFemale a5 t6	0.084	0.031	0.040	0.167
St6	2022	P1_dot_dot	real	pent gFemale a6 t7	0.133	0.033	0.080	0.213
St6	2022	P1_dot_dot	real	pent gFemale a7 t8	0.051	0.027	0.018	0.136
St6	2022	P1_dot_dot	real	pent gFemale a8 t9	0.028	0.019	0.007	0.102
St6	2022	P2_time_dot	real	Phi gMale a0 t1	1	<0.001	1	1
St6	2022	P2_time_dot	real	Phi gMale a1 t2	0.360	0.187	0.103	0.734
St6	2022	P2_time_dot	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St6	2022	P2_time_dot	real	Phi gMale a3 t4	0.426	0.199	0.131	0.785
St6	2022	P2_time_dot	real	Phi gMale a4 t5	0.085	0.086	0.011	0.447
St6	2022	P2_time_dot	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St6	2022	P2_time_dot	real	Phi gMale a6 t7	0.894	0.214	0.091	0.999
St6	2022	P2_time_dot	real	Phi gMale a7 t8	0.684	0.217	0.232	0.939
St6	2022	P2_time_dot	real	p gMale a0 t1	0.295	0.063	0.188	0.430
St6	2022	P2_time_dot	real	N gMale a0 t1	209.870	37.024	155.944	305.973
St6	2022	P2_time_dot	real	N gFemale a0 t1	190.525	33.988	141.186	279.010
St6	2022	P2_time_dot	real	pent gMale a1 t2	0.105	0.045	0.043	0.232
St6	2022	P2_time_dot	real	pent gMale a2 t3	0.052	0.039	0.011	0.208
St6	2022	P2_time_dot	real	pent gMale a3 t4	0.321	0.054	0.226	0.434
St6	2022	P2_time_dot	real	pent gMale a4 t5	0.106	0.060	0.033	0.291
St6	2022	P2_time_dot	real	pent gMale a5 t6	0.123	0.034	0.070	0.208
St6	2022	P2_time_dot	real	pent gMale a6 t7	0.166	0.031	0.114	0.235
St6	2022	P2_time_dot	real	pent gMale a7 t8	<0.001	<0.001	<0.001	1
St6	2022	P2_time_dot	real	pent gMale a8 t9	<0.001	0.443	<0.001	0.869
St6	2022	P2_time_dot	real	pent gFemale a1 t2	0.105	0.045	0.043	0.232
St6	2022	P2_time_dot	real	pent gFemale a2 t3	0.052	0.039	0.011	0.208
St6	2022	P2_time_dot	real	pent gFemale a3 t4	0.321	0.054	0.226	0.434
St6	2022	P2_time_dot	real	pent gFemale a4 t5	0.106	0.060	0.033	0.291
St6	2022	P2_time_dot	real	pent gFemale a5 t6	0.123	0.034	0.070	0.208
St6	2022	P2_time_dot	real	pent gFemale a6 t7	0.166	0.031	0.114	0.235
St6	2022	P2_time_dot	real	pent gFemale a7 t8	<0.001	<0.001	<0.001	1
St6	2022	P2_time_dot	real	pent gFemale a8 t9	<0.001	0.443	<0.001	0.869

St6	2022	P3_dot_time	real	Phi gMale a0 t1	0.310	0.049	0.223	0.412
St6	2022	P3_dot_time	real	p gMale a0 t1	0.998	0.424	<0.001	1
St6	2022	P3_dot_time	real	p gMale a1 t2	0.547	0.205	0.193	0.859
St6	2022	P3_dot_time	real	p gMale a2 t3	0.446	0.220	0.123	0.822
St6	2022	P3_dot_time	real	p gMale a3 t4	0.109	0.052	0.041	0.260
St6	2022	P3_dot_time	real	p gMale a4 t5	0.259	0.135	0.081	0.581
St6	2022	P3_dot_time	real	p gMale a5 t6	0.098	0.094	0.013	0.468
St6	2022	P3_dot_time	real	p gMale a6 t7	0.192	0.074	0.085	0.377
St6	2022	P3_dot_time	real	p gMale a7 t8	0.468	0.173	0.183	0.775
St6	2022	P3_dot_time	real	p gMale a8 t9	1.000	<0.001	1.000	1.000
St6	2022	P3_dot_time	real	N gMale a0 t1	323.470	102.147	192.121	618.940
St6	2022	P3_dot_time	real	N gFemale a0 t1	293.680	93.150	174.116	563.539
St6	2022	P3_dot_time	real	pent gMale a1 t2	0.068	0.035	0.024	0.176
St6	2022	P3_dot_time	real	pent gMale a2 t3	0.034	0.027	0.007	0.148
St6	2022	P3_dot_time	real	pent gMale a3 t4	0.548	0.160	0.254	0.811
St6	2022	P3_dot_time	real	pent gMale a4 t5	<0.001	<0.001	<0.001	<0.001
St6	2022	P3_dot_time	real	pent gMale a5 t6	0.229	0.227	0.023	0.787
St6	2022	P3_dot_time	real	pent gMale a6 t7	0.094	0.118	0.007	0.611
St6	2022	P3_dot_time	real	pent gMale a7 t8	<0.001	<0.001	<0.001	<0.001
St6	2022	P3_dot_time	real	pent gMale a8 t9	0.003	0.007	<0.001	0.277
St6	2022	P3_dot_time	real	pent gFemale a1 t2	0.068	0.035	0.024	0.176
St6	2022	P3_dot_time	real	pent gFemale a2 t3	0.034	0.027	0.007	0.148
St6	2022	P3_dot_time	real	pent gFemale a3 t4	0.548	0.160	0.254	0.811
St6	2022	P3_dot_time	real	pent gFemale a4 t5	<0.001	<0.001	<0.001	<0.001
St6	2022	P3_dot_time	real	pent gFemale a5 t6	0.229	0.227	0.023	0.787
St6	2022	P3_dot_time	real	pent gFemale a6 t7	0.094	0.118	0.007	0.611
St6	2022	P3_dot_time	real	pent gFemale a7 t8	<0.001	<0.001	<0.001	<0.001
St6	2022	P3_dot_time	real	pent gFemale a8 t9	0.003	0.007	<0.001	0.277
St6	2022	P4_time_time	real	Phi gMale a0 t1	1	<0.001	1	1
St6	2022	P4_time_time	real	Phi gMale a1 t2	0.105	0.050	0.040	0.250
St6	2022	P4_time_time	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St6	2022	P4_time_time	real	Phi gMale a3 t4	1	<0.001	1	1
St6	2022	P4_time_time	real	Phi gMale a4 t5	0.016	0.016	0.002	0.106
St6	2022	P4_time_time	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St6	2022	P4_time_time	real	Phi gMale a6 t7	1	<0.001	<0.001	1
St6	2022	P4_time_time	real	Phi gMale a7 t8	0.188	0.198	0.018	0.746
St6	2022	P4_time_time	real	p gMale a0 t1	0.993	2.261	<0.001	1
St6	2022	P4_time_time	real	p gMale a1 t2	0.272	0.114	0.108	0.536
St6	2022	P4_time_time	real	p gMale a2 t3	1.000	0.038	<0.001	1
St6	2022	P4_time_time	real	p gMale a3 t4	1	<0.001	1.000	1.000
St6	2022	P4_time_time	real	p gMale a4 t5	0.112	0.052	0.044	0.258
St6	2022	P4_time_time	real	p gMale a5 t6	1.000	0.001	<0.001	1
St6	2022	P4_time_time	real	p gMale a6 t7	1.000	0.176	<0.001	1
St6	2022	P4_time_time	real	p gMale a7 t8	0.287	0.098	0.136	0.508
St6	2022	P4_time_time	real	p gMale a8 t9	0.997	0.980	<0.001	1
St6	2022	P4_time_time	real	N gMale a0 t1	223.680	59.655	147.291	396.851
St6	2022	P4_time_time	real	N gFemale a0 t1	203.065	54.441	133.506	361.395
St6	2022	P4_time_time	real	pent gMale a1 t2	0.197	0.120	0.052	0.521
St6	2022	P4_time_time	real	pent gMale a2 t3	0.013	0.015	0.001	0.120
St6	2022	P4_time_time	real	pent gMale a3 t4	0.089	0.027	0.048	0.158
St6	2022	P4_time_time	real	pent gMale a4 t5	0.494	0.134	0.254	0.737
St6	2022	P4_time_time	real	pent gMale a5 t6	0.030	0.016	0.010	0.085
St6	2022	P4_time_time	real	pent gMale a6 t7	0.049	0.019	0.023	0.102
St6	2022	P4_time_time	real	pent gMale a7 t8	0.089	0.045	0.032	0.225
St6	2022	P4_time_time	real	pent gMale a8 t9	0.002	0.010	<0.001	0.967
St6	2022	P4_time_time	real	pent gFemale a1 t2	0.197	0.120	0.052	0.521
St6	2022	P4_time_time	real	pent gFemale a2 t3	0.013	0.015	0.001	0.120
St6	2022	P4_time_time	real	pent gFemale a3 t4	0.089	0.027	0.048	0.158
St6	2022	P4_time_time	real	pent gFemale a4 t5	0.494	0.134	0.254	0.737

St6	2022	P4_time_time	real	pent gFemale a5 t6	0.030	0.016	0.010	0.085
St6	2022	P4_time_time	real	pent gFemale a6 t7	0.049	0.019	0.023	0.102
St6	2022	P4_time_time	real	pent gFemale a7 t8	0.089	0.045	0.032	0.225
St6	2022	P4_time_time	real	pent gFemale a8 t9	0.002	0.010	<0.001	0.967
St6	2022	P5_sex_dot	real	Phi gMale a0 t1	0.295	0.084	0.159	0.481
St6	2022	P5_sex_dot	real	Phi gFemale a0 t1	0.334	0.082	0.196	0.507
St6	2022	P5_sex_dot	real	p gMale a0 t1	0.372	0.122	0.176	0.622
St6	2022	P5_sex_dot	real	N gMale a0 t1	191.638	49.800	130.158	340.697
St6	2022	P5_sex_dot	real	N gFemale a0 t1	169.034	43.397	115.757	299.531
St6	2022	P5_sex_dot	real	pent gMale a1 t2	0.149	0.035	0.093	0.231
St6	2022	P5_sex_dot	real	pent gMale a2 t3	0.055	0.028	0.020	0.142
St6	2022	P5_sex_dot	real	pent gMale a3 t4	0.264	0.045	0.186	0.361
St6	2022	P5_sex_dot	real	pent gMale a4 t5	0.123	0.038	0.066	0.218
St6	2022	P5_sex_dot	real	pent gMale a5 t6	0.085	0.031	0.041	0.167
St6	2022	P5_sex_dot	real	pent gMale a6 t7	0.132	0.033	0.079	0.211
St6	2022	P5_sex_dot	real	pent gMale a7 t8	0.051	0.026	0.018	0.134
St6	2022	P5_sex_dot	real	pent gMale a8 t9	0.029	0.019	0.008	0.100
St6	2022	P5_sex_dot	real	pent gFemale a1 t2	0.149	0.035	0.093	0.231
St6	2022	P5_sex_dot	real	pent gFemale a2 t3	0.055	0.028	0.020	0.142
St6	2022	P5_sex_dot	real	pent gFemale a3 t4	0.264	0.045	0.186	0.361
St6	2022	P5_sex_dot	real	pent gFemale a4 t5	0.123	0.038	0.066	0.218
St6	2022	P5_sex_dot	real	pent gFemale a5 t6	0.085	0.031	0.041	0.167
St6	2022	P5_sex_dot	real	pent gFemale a6 t7	0.132	0.033	0.079	0.211
St6	2022	P5_sex_dot	real	pent gFemale a7 t8	0.051	0.026	0.018	0.134
St6	2022	P5_sex_dot	real	pent gFemale a8 t9	0.029	0.019	0.008	0.100
St6	2022	P6_dot_sex	real	Phi gMale a0 t1	0.320	0.072	0.198	0.473
St6	2022	P6_dot_sex	real	p gMale a0 t1	0.301	0.123	0.121	0.575
St6	2022	P6_dot_sex	real	p gFemale a0 t1	0.429	0.154	0.180	0.721
St6	2022	P6_dot_sex	real	N gMale a0 t1	226.098	75.582	138.329	463.943
St6	2022	P6_dot_sex	real	N gFemale a0 t1	151.024	42.718	103.556	290.256
St6	2022	P6_dot_sex	real	pent gMale a1 t2	0.149	0.035	0.093	0.231
St6	2022	P6_dot_sex	real	pent gMale a2 t3	0.056	0.028	0.021	0.143
St6	2022	P6_dot_sex	real	pent gMale a3 t4	0.267	0.046	0.188	0.365
St6	2022	P6_dot_sex	real	pent gMale a4 t5	0.122	0.038	0.064	0.219
St6	2022	P6_dot_sex	real	pent gMale a5 t6	0.082	0.031	0.038	0.166
St6	2022	P6_dot_sex	real	pent gMale a6 t7	0.134	0.034	0.081	0.215
St6	2022	P6_dot_sex	real	pent gMale a7 t8	0.050	0.027	0.017	0.137
St6	2022	P6_dot_sex	real	pent gMale a8 t9	0.027	0.019	0.007	0.104
St6	2022	P6_dot_sex	real	pent gFemale a1 t2	0.149	0.035	0.093	0.231
St6	2022	P6_dot_sex	real	pent gFemale a2 t3	0.056	0.028	0.021	0.143
St6	2022	P6_dot_sex	real	pent gFemale a3 t4	0.267	0.046	0.188	0.365
St6	2022	P6_dot_sex	real	pent gFemale a4 t5	0.122	0.038	0.064	0.219
St6	2022	P6_dot_sex	real	pent gFemale a5 t6	0.082	0.031	0.038	0.166
St6	2022	P6_dot_sex	real	pent gFemale a6 t7	0.134	0.034	0.081	0.215
St6	2022	P6_dot_sex	real	pent gFemale a7 t8	0.050	0.027	0.017	0.137
St6	2022	P6_dot_sex	real	pent gFemale a8 t9	0.027	0.019	0.007	0.104
St6	2022	P7_sex_sex	real	Phi gMale a0 t1	0.337	0.103	0.170	0.557
St6	2022	P7_sex_sex	real	Phi gFemale a0 t1	0.309	0.084	0.171	0.493
St6	2022	P7_sex_sex	real	p gMale a0 t1	0.285	0.136	0.097	0.595
St6	2022	P7_sex_sex	real	p gFemale a0 t1	0.443	0.167	0.173	0.750
St6	2022	P7_sex_sex	real	N gMale a0 t1	234.312	85.685	138.135	511.379
St6	2022	P7_sex_sex	real	N gFemale a0 t1	148.270	43.534	101.358	293.614
St6	2022	P7_sex_sex	real	pent gMale a1 t2	0.149	0.035	0.092	0.231
St6	2022	P7_sex_sex	real	pent gMale a2 t3	0.057	0.028	0.021	0.144
St6	2022	P7_sex_sex	real	pent gMale a3 t4	0.268	0.046	0.188	0.368
St6	2022	P7_sex_sex	real	pent gMale a4 t5	0.121	0.039	0.063	0.220
St6	2022	P7_sex_sex	real	pent gMale a5 t6	0.080	0.032	0.036	0.168
St6	2022	P7_sex_sex	real	pent gMale a6 t7	0.135	0.034	0.082	0.217
St6	2022	P7_sex_sex	real	pent gMale a7 t8	0.050	0.027	0.017	0.138

St6	2022	P7_sex_sex	real	pent gMale a8 t9	0.027	0.020	0.006	0.108
St6	2022	P7_sex_sex	real	pent gFemale a1 t2	0.149	0.035	0.092	0.231
St6	2022	P7_sex_sex	real	pent gFemale a2 t3	0.057	0.028	0.021	0.144
St6	2022	P7_sex_sex	real	pent gFemale a3 t4	0.268	0.046	0.188	0.368
St6	2022	P7_sex_sex	real	pent gFemale a4 t5	0.121	0.039	0.063	0.220
St6	2022	P7_sex_sex	real	pent gFemale a5 t6	0.080	0.032	0.036	0.168
St6	2022	P7_sex_sex	real	pent gFemale a6 t7	0.135	0.034	0.082	0.217
St6	2022	P7_sex_sex	real	pent gFemale a7 t8	0.050	0.027	0.017	0.138
St6	2022	P7_sex_sex	real	pent gFemale a8 t9	0.027	0.020	0.006	0.108
St6	2022	P8_timeSex_timeSex	real	Phi gMale a0 t1	1.000	<0.001	1.000	1.000
St6	2022	P8_timeSex_timeSex	real	Phi gMale a1 t2	0.050	0.049	0.007	0.284
St6	2022	P8_timeSex_timeSex	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St6	2022	P8_timeSex_timeSex	real	Phi gMale a3 t4	0.613	0.667	0.006	0.997
St6	2022	P8_timeSex_timeSex	real	Phi gMale a4 t5	1	<0.001	1	1
St6	2022	P8_timeSex_timeSex	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St6	2022	P8_timeSex_timeSex	real	Phi gMale a6 t7	1.000	<0.001	1.000	1.000
St6	2022	P8_timeSex_timeSex	real	Phi gMale a7 t8	1.000	<0.001	1.000	1.000
St6	2022	P8_timeSex_timeSex	real	Phi gFemale a0 t1	1	<0.001	1	1
St6	2022	P8_timeSex_timeSex	real	Phi gFemale a1 t2	0.150	0.072	0.055	0.348
St6	2022	P8_timeSex_timeSex	real	Phi gFemale a2 t3	<0.001	<0.001	<0.001	<0.001
St6	2022	P8_timeSex_timeSex	real	Phi gFemale a3 t4	0.842	0.363	0.024	0.999
St6	2022	P8_timeSex_timeSex	real	Phi gFemale a4 t5	1	<0.001	1	1
St6	2022	P8_timeSex_timeSex	real	Phi gFemale a5 t6	<0.001	<0.001	<0.001	<0.001
St6	2022	P8_timeSex_timeSex	real	Phi gFemale a6 t7	1.000	<0.001	1.000	1.000
St6	2022	P8_timeSex_timeSex	real	Phi gFemale a7 t8	1.000	<0.001	1.000	1.000
St6	2022	P8_timeSex_timeSex	real	p gMale a0 t1	0.559	1.262	<0.001	1.000
St6	2022	P8_timeSex_timeSex	real	p gMale a1 t2	0.334	0.131	0.137	0.613
St6	2022	P8_timeSex_timeSex	real	p gMale a2 t3	1	<0.001	1	1
St6	2022	P8_timeSex_timeSex	real	p gMale a3 t4	0.733	0.735	0.002	1.000
St6	2022	P8_timeSex_timeSex	real	p gMale a4 t5	0.172	0.156	0.024	0.639
St6	2022	P8_timeSex_timeSex	real	p gMale a5 t6	0.026	0.028	0.003	0.191
St6	2022	P8_timeSex_timeSex	real	p gMale a6 t7	1	<0.001	1	1
St6	2022	P8_timeSex_timeSex	real	p gMale a7 t8	0.339	0.120	0.152	0.595
St6	2022	P8_timeSex_timeSex	real	p gMale a8 t9	0.219	0.083	0.098	0.420
St6	2022	P8_timeSex_timeSex	real	p gFemale a0 t1	0.459	1.272	<0.001	1.000
St6	2022	P8_timeSex_timeSex	real	p gFemale a1 t2	0.251	0.102	0.104	0.492
St6	2022	P8_timeSex_timeSex	real	p gFemale a2 t3	1	<0.001	1	1
St6	2022	P8_timeSex_timeSex	real	p gFemale a3 t4	0.647	0.881	0.001	1.000
St6	2022	P8_timeSex_timeSex	real	p gFemale a4 t5	0.122	0.109	0.019	0.505
St6	2022	P8_timeSex_timeSex	real	p gFemale a5 t6	0.018	0.019	0.002	0.131
St6	2022	P8_timeSex_timeSex	real	p gFemale a6 t7	1	<0.001	1	1
St6	2022	P8_timeSex_timeSex	real	p gFemale a7 t8	0.255	0.096	0.113	0.481
St6	2022	P8_timeSex_timeSex	real	p gFemale a8 t9	0.158	0.066	0.066	0.332
St6	2022	P8_timeSex_timeSex	real	N gMale a0 t1	465.405	387.446	158.972	2076.531
St6	2022	P8_timeSex_timeSex	real	N gFemale a0 t1	489.790	411.884	159.089	2186.004
St6	2022	P8_timeSex_timeSex	real	pent gMale a1 t2	0.066	0.100	0.003	0.630
St6	2022	P8_timeSex_timeSex	real	pent gMale a2 t3	0.007	0.008	0.001	0.060
St6	2022	P8_timeSex_timeSex	real	pent gMale a3 t4	0.058	0.078	0.004	0.509
St6	2022	P8_timeSex_timeSex	real	pent gMale a4 t5	0.159	0.167	0.016	0.687
St6	2022	P8_timeSex_timeSex	real	pent gMale a5 t6	0.612	0.306	0.112	0.952
St6	2022	P8_timeSex_timeSex	real	pent gMale a6 t7	0.022	0.019	0.004	0.111
St6	2022	P8_timeSex_timeSex	real	pent gMale a7 t8	0.039	0.036	0.006	0.214
St6	2022	P8_timeSex_timeSex	real	pent gMale a8 t9	0.007	0.024	<0.001	0.882
St6	2022	P8_timeSex_timeSex	real	pent gFemale a1 t2	0.066	0.100	0.003	0.630
St6	2022	P8_timeSex_timeSex	real	pent gFemale a2 t3	0.007	0.008	0.001	0.060
St6	2022	P8_timeSex_timeSex	real	pent gFemale a3 t4	0.058	0.078	0.004	0.509
St6	2022	P8_timeSex_timeSex	real	pent gFemale a4 t5	0.159	0.167	0.016	0.687
St6	2022	P8_timeSex_timeSex	real	pent gFemale a5 t6	0.612	0.306	0.112	0.952
St6	2022	P8_timeSex_timeSex	real	pent gFemale a6 t7	0.022	0.019	0.004	0.111

St6	2022	P8_timeSex_timeSex	real	pent gFemale a7 t8	0.039	0.036	0.006	0.214
St6	2022	P8_timeSex_timeSex	real	pent gFemale a8 t9	0.007	0.024	<0.001	0.882
St6	2023	P1_dot_dot	real	Phi gMale a0 t1	0.344	0.043	0.265	0.432
St6	2023	P1_dot_dot	real	p gMale a0 t1	0.465	0.078	0.319	0.617
St6	2023	P1_dot_dot	real	N gMale a0 t1	417.693	53.195	339.448	554.556
St6	2023	P1_dot_dot	real	N gFemale a0 t1	268.211	35.259	216.832	359.691
St6	2023	P1_dot_dot	real	pent gMale a1 t2	0.143	0.022	0.104	0.193
St6	2023	P1_dot_dot	real	pent gMale a2 t3	0.043	0.017	0.020	0.091
St6	2023	P1_dot_dot	real	pent gMale a3 t4	0.090	0.018	0.060	0.131
St6	2023	P1_dot_dot	real	pent gMale a4 t5	0.047	0.015	0.025	0.086
St6	2023	P1_dot_dot	real	pent gMale a5 t6	0.019	0.010	0.007	0.055
St6	2023	P1_dot_dot	real	pent gMale a6 t7	0.348	0.033	0.286	0.416
St6	2023	P1_dot_dot	real	pent gMale a7 t8	0.110	0.026	0.069	0.172
St6	2023	P1_dot_dot	real	pent gMale a8 t9	0.040	0.017	0.017	0.088
St6	2023	P1_dot_dot	real	pent gFemale a1 t2	0.143	0.022	0.104	0.193
St6	2023	P1_dot_dot	real	pent gFemale a2 t3	0.043	0.017	0.020	0.091
St6	2023	P1_dot_dot	real	pent gFemale a3 t4	0.090	0.018	0.060	0.131
St6	2023	P1_dot_dot	real	pent gFemale a4 t5	0.047	0.015	0.025	0.086
St6	2023	P1_dot_dot	real	pent gFemale a5 t6	0.019	0.010	0.007	0.055
St6	2023	P1_dot_dot	real	pent gFemale a6 t7	0.348	0.033	0.286	0.416
St6	2023	P1_dot_dot	real	pent gFemale a7 t8	0.110	0.026	0.069	0.172
St6	2023	P1_dot_dot	real	pent gFemale a8 t9	0.040	0.017	0.017	0.088
St6	2023	P2_time_dot	real	Phi gMale a0 t1	1.000	<0.001	<0.001	1
St6	2023	P2_time_dot	real	Phi gMale a1 t2	0.149	0.062	0.063	0.315
St6	2023	P2_time_dot	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St6	2023	P2_time_dot	real	Phi gMale a3 t4	1.000	<0.001	1.000	1.000
St6	2023	P2_time_dot	real	Phi gMale a4 t5	0.049	0.049	0.007	0.287
St6	2023	P2_time_dot	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	1
St6	2023	P2_time_dot	real	Phi gMale a6 t7	0.548	0.106	0.343	0.738
St6	2023	P2_time_dot	real	Phi gMale a7 t8	0.380	0.095	0.218	0.574
St6	2023	P2_time_dot	real	p gMale a0 t1	0.380	0.049	0.289	0.480
St6	2023	P2_time_dot	real	N gMale a0 t1	442.221	41.697	375.232	541.211
St6	2023	P2_time_dot	real	N gFemale a0 t1	283.972	28.421	238.872	352.218
St6	2023	P2_time_dot	real	pent gMale a1 t2	0.084	0.031	0.041	0.167
St6	2023	P2_time_dot	real	pent gMale a2 t3	0.068	0.019	0.040	0.115
St6	2023	P2_time_dot	real	pent gMale a3 t4	0.119	0.022	0.083	0.169
St6	2023	P2_time_dot	real	pent gMale a4 t5	0.002	0.022	<0.001	1
St6	2023	P2_time_dot	real	pent gMale a5 t6	0.034	0.012	0.017	0.065
St6	2023	P2_time_dot	real	pent gMale a6 t7	0.409	0.041	0.331	0.491
St6	2023	P2_time_dot	real	pent gMale a7 t8	0.064	0.043	0.016	0.217
St6	2023	P2_time_dot	real	pent gMale a8 t9	0.035	0.022	0.010	0.115
St6	2023	P2_time_dot	real	pent gFemale a1 t2	0.084	0.031	0.041	0.167
St6	2023	P2_time_dot	real	pent gFemale a2 t3	0.068	0.019	0.040	0.115
St6	2023	P2_time_dot	real	pent gFemale a3 t4	0.119	0.022	0.083	0.169
St6	2023	P2_time_dot	real	pent gFemale a4 t5	0.002	0.022	<0.001	1
St6	2023	P2_time_dot	real	pent gFemale a5 t6	0.034	0.012	0.017	0.065
St6	2023	P2_time_dot	real	pent gFemale a6 t7	0.409	0.041	0.331	0.491
St6	2023	P2_time_dot	real	pent gFemale a7 t8	0.064	0.043	0.016	0.217
St6	2023	P2_time_dot	real	pent gFemale a8 t9	0.035	0.022	0.010	0.115
St6	2023	P3_dot_time	real	Phi gMale a0 t1	0.384	0.043	0.304	0.470
St6	2023	P3_dot_time	real	p gMale a0 t1	1.000	0.040	<0.001	1
St6	2023	P3_dot_time	real	p gMale a1 t2	0.783	0.100	0.533	0.919
St6	2023	P3_dot_time	real	p gMale a2 t3	0.217	0.089	0.091	0.435
St6	2023	P3_dot_time	real	p gMale a3 t4	0.240	0.063	0.138	0.385
St6	2023	P3_dot_time	real	p gMale a4 t5	0.669	0.187	0.279	0.913
St6	2023	P3_dot_time	real	p gMale a5 t6	0.072	0.069	0.010	0.369
St6	2023	P3_dot_time	real	p gMale a6 t7	0.207	0.043	0.135	0.303
St6	2023	P3_dot_time	real	p gMale a7 t8	0.349	0.082	0.209	0.520
St6	2023	P3_dot_time	real	p gMale a8 t9	0.410	0.112	0.219	0.633

St6	2023	P3_dot_time	real	N gMale a0 t1	581.618	83.602	452.490	787.414
St6	2023	P3_dot_time	real	N gFemale a0 t1	373.536	55.526	288.470	511.240
St6	2023	P3_dot_time	real	pent gMale a1 t2	0.074	0.017	0.047	0.113
St6	2023	P3_dot_time	real	pent gMale a2 t3	0.109	0.051	0.042	0.254
St6	2023	P3_dot_time	real	pent gMale a3 t4	0.095	0.037	0.043	0.196
St6	2023	P3_dot_time	real	pent gMale a4 t5	<0.001	<0.001	<0.001	<0.001
St6	2023	P3_dot_time	real	pent gMale a5 t6	0.140	0.132	0.018	0.584
St6	2023	P3_dot_time	real	pent gMale a6 t7	0.513	0.121	0.290	0.731
St6	2023	P3_dot_time	real	pent gMale a7 t8	<0.001	<0.001	<0.001	<0.001
St6	2023	P3_dot_time	real	pent gMale a8 t9	0.016	0.024	0.001	0.242
St6	2023	P3_dot_time	real	pent gFemale a1 t2	0.074	0.017	0.047	0.113
St6	2023	P3_dot_time	real	pent gFemale a2 t3	0.109	0.051	0.042	0.254
St6	2023	P3_dot_time	real	pent gFemale a3 t4	0.095	0.037	0.043	0.196
St6	2023	P3_dot_time	real	pent gFemale a4 t5	<0.001	<0.001	<0.001	<0.001
St6	2023	P3_dot_time	real	pent gFemale a5 t6	0.140	0.132	0.018	0.584
St6	2023	P3_dot_time	real	pent gFemale a6 t7	0.513	0.121	0.290	0.731
St6	2023	P3_dot_time	real	pent gFemale a7 t8	<0.001	<0.001	<0.001	<0.001
St6	2023	P3_dot_time	real	pent gFemale a8 t9	0.016	0.024	0.001	0.242
St6	2023	P4_time_time	real	Phi gMale a0 t1	1	<0.001	1	1
St6	2023	P4_time_time	real	Phi gMale a1 t2	0.057	0.022	0.026	0.120
St6	2023	P4_time_time	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St6	2023	P4_time_time	real	Phi gMale a3 t4	1	<0.001	1	1
St6	2023	P4_time_time	real	Phi gMale a4 t5	0.019	0.018	0.003	0.120
St6	2023	P4_time_time	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St6	2023	P4_time_time	real	Phi gMale a6 t7	0.969	0.334	<0.001	1
St6	2023	P4_time_time	real	Phi gMale a7 t8	0.148	10.144	<0.001	1
St6	2023	P4_time_time	real	p gMale a0 t1	0.463	<0.001	0.463	0.463
St6	2023	P4_time_time	real	p gMale a1 t2	0.414	0.069	0.289	0.552
St6	2023	P4_time_time	real	p gMale a2 t3	1	<0.001	1	1
St6	2023	P4_time_time	real	p gMale a3 t4	0.445	9.611	<0.001	1
St6	2023	P4_time_time	real	p gMale a4 t5	0.456	0.087	0.297	0.624
St6	2023	P4_time_time	real	p gMale a5 t6	1	<0.001	1	1
St6	2023	P4_time_time	real	p gMale a6 t7	0.999	0.322	<0.001	1
St6	2023	P4_time_time	real	p gMale a7 t8	0.184	0.061	0.092	0.335
St6	2023	P4_time_time	real	p gMale a8 t9	0.667	45.814	<0.001	1
St6	2023	P4_time_time	real	N gMale a0 t1	427.223	61.539	339.211	589.568
St6	2023	P4_time_time	real	N gFemale a0 t1	274.336	40.548	216.825	382.095
St6	2023	P4_time_time	real	pent gMale a1 t2	0.104	<0.001	0.104	0.104
St6	2023	P4_time_time	real	pent gMale a2 t3	0.028	0.009	0.015	0.051
St6	2023	P4_time_time	real	pent gMale a3 t4	0.106	2.280	<0.001	1
St6	2023	P4_time_time	real	pent gMale a4 t5	0.007	2.279	<0.001	1
St6	2023	P4_time_time	real	pent gMale a5 t6	0.014	0.005	0.007	0.028
St6	2023	P4_time_time	real	pent gMale a6 t7	0.161	0.058	0.077	0.308
St6	2023	P4_time_time	real	pent gMale a7 t8	0.423	0.095	0.254	0.612
St6	2023	P4_time_time	real	pent gMale a8 t9	<0.001	<0.001	<0.001	<0.001
St6	2023	P4_time_time	real	pent gFemale a1 t2	0.104	<0.001	0.104	0.104
St6	2023	P4_time_time	real	pent gFemale a2 t3	0.028	0.009	0.015	0.051
St6	2023	P4_time_time	real	pent gFemale a3 t4	0.106	2.280	<0.001	1
St6	2023	P4_time_time	real	pent gFemale a4 t5	0.007	2.279	<0.001	1
St6	2023	P4_time_time	real	pent gFemale a5 t6	0.014	0.005	0.007	0.028
St6	2023	P4_time_time	real	pent gFemale a6 t7	0.161	0.058	0.077	0.308
St6	2023	P4_time_time	real	pent gFemale a7 t8	0.423	0.095	0.254	0.612
St6	2023	P4_time_time	real	pent gFemale a8 t9	<0.001	<0.001	<0.001	<0.001
St6	2023	P5_sex_dot	real	Phi gMale a0 t1	0.349	0.051	0.256	0.454
St6	2023	P5_sex_dot	real	Phi gFemale a0 t1	0.339	0.051	0.247	0.444
St6	2023	P5_sex_dot	real	p gMale a0 t1	0.463	0.079	0.316	0.616
St6	2023	P5_sex_dot	real	N gMale a0 t1	417.698	53.065	339.589	554.142
St6	2023	P5_sex_dot	real	N gFemale a0 t1	269.810	36.810	216.637	366.060
St6	2023	P5_sex_dot	real	pent gMale a1 t2	0.143	0.023	0.104	0.193

St6	2023	P5_sex_dot	real	pent gMale a2 t3	0.043	0.017	0.020	0.091
St6	2023	P5_sex_dot	real	pent gMale a3 t4	0.090	0.018	0.060	0.131
St6	2023	P5_sex_dot	real	pent gMale a4 t5	0.047	0.015	0.025	0.086
St6	2023	P5_sex_dot	real	pent gMale a5 t6	0.019	0.010	0.007	0.055
St6	2023	P5_sex_dot	real	pent gMale a6 t7	0.349	0.033	0.286	0.417
St6	2023	P5_sex_dot	real	pent gMale a7 t8	0.110	0.026	0.068	0.172
St6	2023	P5_sex_dot	real	pent gMale a8 t9	0.040	0.017	0.017	0.089
St6	2023	P5_sex_dot	real	pent gFemale a1 t2	0.143	0.023	0.104	0.193
St6	2023	P5_sex_dot	real	pent gFemale a2 t3	0.043	0.017	0.020	0.091
St6	2023	P5_sex_dot	real	pent gFemale a3 t4	0.090	0.018	0.060	0.131
St6	2023	P5_sex_dot	real	pent gFemale a4 t5	0.047	0.015	0.025	0.086
St6	2023	P5_sex_dot	real	pent gFemale a5 t6	0.019	0.010	0.007	0.055
St6	2023	P5_sex_dot	real	pent gFemale a6 t7	0.349	0.033	0.286	0.417
St6	2023	P5_sex_dot	real	pent gFemale a7 t8	0.110	0.026	0.068	0.172
St6	2023	P5_sex_dot	real	pent gFemale a8 t9	0.040	0.017	0.017	0.089
St6	2023	P6_dot_sex	real	Phi gMale a0 t1	0.343	0.043	0.265	0.431
St6	2023	P6_dot_sex	real	p gMale a0 t1	0.428	0.082	0.280	0.591
St6	2023	P6_dot_sex	real	p gFemale a0 t1	0.527	0.107	0.324	0.720
St6	2023	P6_dot_sex	real	N gMale a0 t1	447.124	66.912	350.991	622.931
St6	2023	P6_dot_sex	real	N gFemale a0 t1	242.313	38.347	192.445	352.182
St6	2023	P6_dot_sex	real	pent gMale a1 t2	0.144	0.022	0.105	0.193
St6	2023	P6_dot_sex	real	pent gMale a2 t3	0.043	0.017	0.020	0.091
St6	2023	P6_dot_sex	real	pent gMale a3 t4	0.090	0.018	0.061	0.131
St6	2023	P6_dot_sex	real	pent gMale a4 t5	0.047	0.015	0.025	0.086
St6	2023	P6_dot_sex	real	pent gMale a5 t6	0.019	0.010	0.006	0.055
St6	2023	P6_dot_sex	real	pent gMale a6 t7	0.349	0.033	0.287	0.416
St6	2023	P6_dot_sex	real	pent gMale a7 t8	0.110	0.026	0.068	0.172
St6	2023	P6_dot_sex	real	pent gMale a8 t9	0.040	0.016	0.017	0.088
St6	2023	P6_dot_sex	real	pent gFemale a1 t2	0.144	0.022	0.105	0.193
St6	2023	P6_dot_sex	real	pent gFemale a2 t3	0.043	0.017	0.020	0.091
St6	2023	P6_dot_sex	real	pent gFemale a3 t4	0.090	0.018	0.061	0.131
St6	2023	P6_dot_sex	real	pent gFemale a4 t5	0.047	0.015	0.025	0.086
St6	2023	P6_dot_sex	real	pent gFemale a5 t6	0.019	0.010	0.006	0.055
St6	2023	P6_dot_sex	real	pent gFemale a6 t7	0.349	0.033	0.287	0.416
St6	2023	P6_dot_sex	real	pent gFemale a7 t8	0.110	0.026	0.068	0.172
St6	2023	P6_dot_sex	real	pent gFemale a8 t9	0.040	0.016	0.017	0.088
St6	2023	P7_sex_sex	real	Phi gMale a0 t1	0.373	0.054	0.274	0.483
St6	2023	P7_sex_sex	real	Phi gFemale a0 t1	0.313	0.053	0.220	0.424
St6	2023	P7_sex_sex	real	p gMale a0 t1	0.399	0.082	0.254	0.566
St6	2023	P7_sex_sex	real	p gFemale a0 t1	0.560	0.117	0.334	0.764
St6	2023	P7_sex_sex	real	N gMale a0 t1	464.577	71.002	361.957	650.144
St6	2023	P7_sex_sex	real	N gFemale a0 t1	233.998	37.984	186.308	346.101
St6	2023	P7_sex_sex	real	pent gMale a1 t2	0.145	0.022	0.106	0.195
St6	2023	P7_sex_sex	real	pent gMale a2 t3	0.042	0.017	0.019	0.090
St6	2023	P7_sex_sex	real	pent gMale a3 t4	0.090	0.018	0.061	0.132
St6	2023	P7_sex_sex	real	pent gMale a4 t5	0.047	0.015	0.025	0.086
St6	2023	P7_sex_sex	real	pent gMale a5 t6	0.019	0.011	0.006	0.056
St6	2023	P7_sex_sex	real	pent gMale a6 t7	0.352	0.034	0.289	0.420
St6	2023	P7_sex_sex	real	pent gMale a7 t8	0.107	0.026	0.065	0.170
St6	2023	P7_sex_sex	real	pent gMale a8 t9	0.039	0.016	0.017	0.087
St6	2023	P7_sex_sex	real	pent gFemale a1 t2	0.145	0.022	0.106	0.195
St6	2023	P7_sex_sex	real	pent gFemale a2 t3	0.042	0.017	0.019	0.090
St6	2023	P7_sex_sex	real	pent gFemale a3 t4	0.090	0.018	0.061	0.132
St6	2023	P7_sex_sex	real	pent gFemale a4 t5	0.047	0.015	0.025	0.086
St6	2023	P7_sex_sex	real	pent gFemale a5 t6	0.019	0.011	0.006	0.056
St6	2023	P7_sex_sex	real	pent gFemale a6 t7	0.352	0.034	0.289	0.420
St6	2023	P7_sex_sex	real	pent gFemale a7 t8	0.107	0.026	0.065	0.170
St6	2023	P7_sex_sex	real	pent gFemale a8 t9	0.039	0.016	0.017	0.087
St6	2023	P8_timeSex_timeSex	real	Phi gMale a0 t1	1	<0.001	1	1

St6	2023	P8_timeSex_timeSex	real	Phi gMale a1 t2	0.075	0.100	0.005	0.578
St6	2023	P8_timeSex_timeSex	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St6	2023	P8_timeSex_timeSex	real	Phi gMale a3 t4	1	<0.001	1	1
St6	2023	P8_timeSex_timeSex	real	Phi gMale a4 t5	0.020	0.020	0.003	0.129
St6	2023	P8_timeSex_timeSex	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St6	2023	P8_timeSex_timeSex	real	Phi gMale a6 t7	0.887	0.280	0.031	0.999
St6	2023	P8_timeSex_timeSex	real	Phi gMale a7 t8	0.112	0.040	0.054	0.216
St6	2023	P8_timeSex_timeSex	real	Phi gFemale a0 t1	1	<0.001	1	1
St6	2023	P8_timeSex_timeSex	real	Phi gFemale a1 t2	0.067	0.085	0.005	0.506
St6	2023	P8_timeSex_timeSex	real	Phi gFemale a2 t3	<0.001	<0.001	<0.001	<0.001
St6	2023	P8_timeSex_timeSex	real	Phi gFemale a3 t4	1	<0.001	1	1
St6	2023	P8_timeSex_timeSex	real	Phi gFemale a4 t5	0.017	0.018	0.002	0.118
St6	2023	P8_timeSex_timeSex	real	Phi gFemale a5 t6	<0.001	<0.001	<0.001	<0.001
St6	2023	P8_timeSex_timeSex	real	Phi gFemale a6 t7	0.874	0.314	0.025	0.999
St6	2023	P8_timeSex_timeSex	real	Phi gFemale a7 t8	0.100	0.038	0.046	0.204
St6	2023	P8_timeSex_timeSex	real	p gMale a0 t1	0.224	0.055	0.135	0.349
St6	2023	P8_timeSex_timeSex	real	p gMale a1 t2	0.342	0.077	0.211	0.504
St6	2023	P8_timeSex_timeSex	real	p gMale a2 t3	0.768	1.075	<0.001	1.000
St6	2023	P8_timeSex_timeSex	real	p gMale a3 t4	0.373	0.084	0.228	0.546
St6	2023	P8_timeSex_timeSex	real	p gMale a4 t5	0.410	0.089	0.252	0.589
St6	2023	P8_timeSex_timeSex	real	p gMale a5 t6	1	<0.001	1	1
St6	2023	P8_timeSex_timeSex	real	p gMale a6 t7	1.000	<0.001	1.000	1.000
St6	2023	P8_timeSex_timeSex	real	p gMale a7 t8	0.181	0.059	0.092	0.324
St6	2023	P8_timeSex_timeSex	real	p gMale a8 t9	1	<0.001	1	1
St6	2023	P8_timeSex_timeSex	real	p gFemale a0 t1	0.299	0.056	0.202	0.418
St6	2023	P8_timeSex_timeSex	real	p gFemale a1 t2	0.434	0.071	0.303	0.575
St6	2023	P8_timeSex_timeSex	real	p gFemale a2 t3	0.830	0.848	<0.001	1.000
St6	2023	P8_timeSex_timeSex	real	p gFemale a3 t4	0.467	0.090	0.302	0.640
St6	2023	P8_timeSex_timeSex	real	p gFemale a4 t5	0.506	0.093	0.331	0.679
St6	2023	P8_timeSex_timeSex	real	p gFemale a5 t6	1	<0.001	1	1
St6	2023	P8_timeSex_timeSex	real	p gFemale a6 t7	1.000	<0.001	1.000	1.000
St6	2023	P8_timeSex_timeSex	real	p gFemale a7 t8	0.246	0.086	0.116	0.447
St6	2023	P8_timeSex_timeSex	real	p gFemale a8 t9	1	<0.001	1	1
St6	2023	P8_timeSex_timeSex	real	N gMale a0 t1	442.993	63.947	350.407	609.858
St6	2023	P8_timeSex_timeSex	real	N gFemale a0 t1	254.052	36.330	203.688	352.557
St6	2023	P8_timeSex_timeSex	real	pent gMale a1 t2	<0.001	<0.001	<0.001	<0.001
St6	2023	P8_timeSex_timeSex	real	pent gMale a2 t3	0.034	0.042	0.003	0.306
St6	2023	P8_timeSex_timeSex	real	pent gMale a3 t4	0.116	0.025	0.075	0.174
St6	2023	P8_timeSex_timeSex	real	pent gMale a4 t5	<0.001	0.001	<0.001	1
St6	2023	P8_timeSex_timeSex	real	pent gMale a5 t6	0.014	0.005	0.007	0.028
St6	2023	P8_timeSex_timeSex	real	pent gMale a6 t7	0.162	0.026	0.118	0.219
St6	2023	P8_timeSex_timeSex	real	pent gMale a7 t8	0.389	0.080	0.247	0.553
St6	2023	P8_timeSex_timeSex	real	pent gMale a8 t9	<0.001	<0.001	<0.001	<0.001
St6	2023	P8_timeSex_timeSex	real	pent gFemale a1 t2	<0.001	<0.001	<0.001	<0.001
St6	2023	P8_timeSex_timeSex	real	pent gFemale a2 t3	0.034	0.042	0.003	0.306
St6	2023	P8_timeSex_timeSex	real	pent gFemale a3 t4	0.116	0.025	0.075	0.174
St6	2023	P8_timeSex_timeSex	real	pent gFemale a4 t5	<0.001	0.001	<0.001	1
St6	2023	P8_timeSex_timeSex	real	pent gFemale a5 t6	0.014	0.005	0.007	0.028
St6	2023	P8_timeSex_timeSex	real	pent gFemale a6 t7	0.162	0.026	0.118	0.219
St6	2023	P8_timeSex_timeSex	real	pent gFemale a7 t8	0.389	0.080	0.247	0.553
St6	2023	P8_timeSex_timeSex	real	pent gFemale a8 t9	<0.001	<0.001	<0.001	<0.001
St6	2024	P1_dot_dot	real	Phi gMale a0 t1	0.380	0.039	0.307	0.459
St6	2024	P1_dot_dot	real	p gMale a0 t1	0.604	0.077	0.448	0.741
St6	2024	P1_dot_dot	real	N gMale a0 t1	143.462	14.602	123.213	183.041
St6	2024	P1_dot_dot	real	N gFemale a0 t1	137.816	14.108	118.292	176.127
St6	2024	P1_dot_dot	real	pent gMale a1 t2	0.104	0.029	0.059	0.175
St6	2024	P1_dot_dot	real	pent gMale a2 t3	0.037	0.019	0.013	0.100
St6	2024	P1_dot_dot	real	pent gMale a3 t4	0.191	0.032	0.135	0.262
St6	2024	P1_dot_dot	real	pent gMale a4 t5	0.099	0.027	0.057	0.167

St6	2024	P1_dot_dot	real	pent gMale a5 t6	0.039	0.019	0.015	0.099
St6	2024	P1_dot_dot	real	pent gMale a6 t7	0.167	0.030	0.116	0.236
St6	2024	P1_dot_dot	real	pent gMale a7 t8	0.116	0.027	0.073	0.180
St6	2024	P1_dot_dot	real	pent gMale a8 t9	<0.001	<0.001	<0.001	<0.001
St6	2024	P1_dot_dot	real	pent gFemale a1 t2	0.104	0.029	0.059	0.175
St6	2024	P1_dot_dot	real	pent gFemale a2 t3	0.037	0.019	0.013	0.100
St6	2024	P1_dot_dot	real	pent gFemale a3 t4	0.191	0.032	0.135	0.262
St6	2024	P1_dot_dot	real	pent gFemale a4 t5	0.099	0.027	0.057	0.167
St6	2024	P1_dot_dot	real	pent gFemale a5 t6	0.039	0.019	0.015	0.099
St6	2024	P1_dot_dot	real	pent gFemale a6 t7	0.167	0.030	0.116	0.236
St6	2024	P1_dot_dot	real	pent gFemale a7 t8	0.116	0.027	0.073	0.180
St6	2024	P1_dot_dot	real	pent gFemale a8 t9	<0.001	<0.001	<0.001	<0.001
St6	2024	P2_time_dot	real	Phi gMale a0 t1	0.679	0.157	0.340	0.897
St6	2024	P2_time_dot	real	Phi gMale a1 t2	0.415	0.130	0.199	0.669
St6	2024	P2_time_dot	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St6	2024	P2_time_dot	real	Phi gMale a3 t4	0.867	0.193	0.197	0.994
St6	2024	P2_time_dot	real	Phi gMale a4 t5	0.338	0.118	0.153	0.590
St6	2024	P2_time_dot	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St6	2024	P2_time_dot	real	Phi gMale a6 t7	1	<0.001	1	1
St6	2024	P2_time_dot	real	Phi gMale a7 t8	0.319	0.092	0.169	0.518
St6	2024	P2_time_dot	real	p gMale a0 t1	0.463	0.069	0.334	0.597
St6	2024	P2_time_dot	real	N gMale a0 t1	152.944	13.882	132.150	188.079
St6	2024	P2_time_dot	real	N gFemale a0 t1	146.926	13.446	126.830	181.029
St6	2024	P2_time_dot	real	pent gMale a1 t2	0.062	0.049	0.013	0.255
St6	2024	P2_time_dot	real	pent gMale a2 t3	0.033	0.027	0.007	0.150
St6	2024	P2_time_dot	real	pent gMale a3 t4	0.245	0.046	0.165	0.347
St6	2024	P2_time_dot	real	pent gMale a4 t5	0.044	0.050	0.004	0.324
St6	2024	P2_time_dot	real	pent gMale a5 t6	0.043	0.025	0.013	0.129
St6	2024	P2_time_dot	real	pent gMale a6 t7	0.216	0.044	0.143	0.314
St6	2024	P2_time_dot	real	pent gMale a7 t8	0.055	0.041	0.012	0.217
St6	2024	P2_time_dot	real	pent gMale a8 t9	<0.001	<0.001	<0.001	<0.001
St6	2024	P2_time_dot	real	pent gFemale a1 t2	0.062	0.049	0.013	0.255
St6	2024	P2_time_dot	real	pent gFemale a2 t3	0.033	0.027	0.007	0.150
St6	2024	P2_time_dot	real	pent gFemale a3 t4	0.245	0.046	0.165	0.347
St6	2024	P2_time_dot	real	pent gFemale a4 t5	0.044	0.050	0.004	0.324
St6	2024	P2_time_dot	real	pent gFemale a5 t6	0.043	0.025	0.013	0.129
St6	2024	P2_time_dot	real	pent gFemale a6 t7	0.216	0.044	0.143	0.314
St6	2024	P2_time_dot	real	pent gFemale a7 t8	0.055	0.041	0.012	0.217
St6	2024	P2_time_dot	real	pent gFemale a8 t9	<0.001	<0.001	<0.001	<0.001
St6	2024	P3_dot_time	real	Phi gMale a0 t1	0.407	0.042	0.328	0.491
St6	2024	P3_dot_time	real	p gMale a0 t1	1.000	0.007	<0.001	1
St6	2024	P3_dot_time	real	p gMale a1 t2	0.529	0.125	0.296	0.749
St6	2024	P3_dot_time	real	p gMale a2 t3	0.626	0.190	0.254	0.892
St6	2024	P3_dot_time	real	p gMale a3 t4	0.257	0.064	0.152	0.400
St6	2024	P3_dot_time	real	p gMale a4 t5	0.620	0.143	0.332	0.843
St6	2024	P3_dot_time	real	p gMale a5 t6	0.534	0.182	0.214	0.828
St6	2024	P3_dot_time	real	p gMale a6 t7	0.228	0.050	0.145	0.340
St6	2024	P3_dot_time	real	p gMale a7 t8	0.682	0.101	0.463	0.842
St6	2024	P3_dot_time	real	p gMale a8 t9	0.502	0.157	0.228	0.775
St6	2024	P3_dot_time	real	N gMale a0 t1	179.344	18.568	150.633	225.004
St6	2024	P3_dot_time	real	N gFemale a0 t1	172.291	17.984	144.538	216.595
St6	2024	P3_dot_time	real	pent gMale a1 t2	0.129	0.039	0.069	0.226
St6	2024	P3_dot_time	real	pent gMale a2 t3	0.021	0.023	0.002	0.162
St6	2024	P3_dot_time	real	pent gMale a3 t4	0.350	0.060	0.242	0.475
St6	2024	P3_dot_time	real	pent gMale a4 t5	<0.001	<0.001	<0.001	<0.001
St6	2024	P3_dot_time	real	pent gMale a5 t6	0.036	0.026	0.009	0.138
St6	2024	P3_dot_time	real	pent gMale a6 t7	0.345	0.052	0.251	0.452
St6	2024	P3_dot_time	real	pent gMale a7 t8	<0.001	<0.001	<0.001	<0.001
St6	2024	P3_dot_time	real	pent gMale a8 t9	<0.001	<0.001	<0.001	1

St6	2024	P3_dot_time	real	pent gFemale a1 t2	0.129	0.039	0.069	0.226
St6	2024	P3_dot_time	real	pent gFemale a2 t3	0.021	0.023	0.002	0.162
St6	2024	P3_dot_time	real	pent gFemale a3 t4	0.350	0.060	0.242	0.475
St6	2024	P3_dot_time	real	pent gFemale a4 t5	<0.001	<0.001	<0.001	<0.001
St6	2024	P3_dot_time	real	pent gFemale a5 t6	0.036	0.026	0.009	0.138
St6	2024	P3_dot_time	real	pent gFemale a6 t7	0.345	0.052	0.251	0.452
St6	2024	P3_dot_time	real	pent gFemale a7 t8	<0.001	<0.001	<0.001	<0.001
St6	2024	P3_dot_time	real	pent gFemale a8 t9	<0.001	<0.001	<0.001	1
St6	2024	P4_time_time	real	Phi gMale a0 t1	1	<0.001	1	1
St6	2024	P4_time_time	real	Phi gMale a1 t2	0.171	1.326	<0.001	1.000
St6	2024	P4_time_time	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St6	2024	P4_time_time	real	Phi gMale a3 t4	0.949	0.375	<0.001	1
St6	2024	P4_time_time	real	Phi gMale a4 t5	0.148	0.059	0.065	0.304
St6	2024	P4_time_time	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St6	2024	P4_time_time	real	Phi gMale a6 t7	1	<0.001	1	1
St6	2024	P4_time_time	real	Phi gMale a7 t8	0.986	2.485	<0.001	1
St6	2024	P4_time_time	real	p gMale a0 t1	0.863	5.573	<0.001	1
St6	2024	P4_time_time	real	p gMale a1 t2	0.269	0.055	0.175	0.389
St6	2024	P4_time_time	real	p gMale a2 t3	0.896	6.939	<0.001	1
St6	2024	P4_time_time	real	p gMale a3 t4	0.998	0.338	<0.001	1
St6	2024	P4_time_time	real	p gMale a4 t5	0.409	0.180	0.138	0.748
St6	2024	P4_time_time	real	p gMale a5 t6	1	<0.001	<0.001	1
St6	2024	P4_time_time	real	p gMale a6 t7	0.939	2.846	<0.001	1
St6	2024	P4_time_time	real	p gMale a7 t8	0.521	0.079	0.369	0.670
St6	2024	P4_time_time	real	p gMale a8 t9	0.158	0.402	0.001	0.986
St6	2024	P4_time_time	real	N gMale a0 t1	152.940	16.979	128.963	198.239
St6	2024	P4_time_time	real	N gFemale a0 t1	146.923	16.403	123.804	190.756
St6	2024	P4_time_time	real	pent gMale a1 t2	0.272	1.049	<0.001	1.000
St6	2024	P4_time_time	real	pent gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St6	2024	P4_time_time	real	pent gMale a3 t4	0.114	0.044	0.052	0.231
St6	2024	P4_time_time	real	pent gMale a4 t5	0.178	0.082	0.067	0.393
St6	2024	P4_time_time	real	pent gMale a5 t6	0.018	0.016	0.003	0.095
St6	2024	P4_time_time	real	pent gMale a6 t7	0.107	0.324	<0.001	0.989
St6	2024	P4_time_time	real	pent gMale a7 t8	0.150	0.325	0.001	0.963
St6	2024	P4_time_time	real	pent gMale a8 t9	<0.001	<0.001	<0.001	<0.001
St6	2024	P4_time_time	real	pent gFemale a1 t2	0.272	1.049	<0.001	1.000
St6	2024	P4_time_time	real	pent gFemale a2 t3	<0.001	<0.001	<0.001	<0.001
St6	2024	P4_time_time	real	pent gFemale a3 t4	0.114	0.044	0.052	0.231
St6	2024	P4_time_time	real	pent gFemale a4 t5	0.178	0.082	0.067	0.393
St6	2024	P4_time_time	real	pent gFemale a5 t6	0.018	0.016	0.003	0.095
St6	2024	P4_time_time	real	pent gFemale a6 t7	0.107	0.324	<0.001	0.989
St6	2024	P4_time_time	real	pent gFemale a7 t8	0.150	0.325	0.001	0.963
St6	2024	P4_time_time	real	pent gFemale a8 t9	<0.001	<0.001	<0.001	<0.001
St6	2024	P5_sex_dot	real	Phi gMale a0 t1	0.390	0.051	0.296	0.492
St6	2024	P5_sex_dot	real	Phi gFemale a0 t1	0.370	0.051	0.277	0.474
St6	2024	P5_sex_dot	real	p gMale a0 t1	0.604	0.077	0.448	0.741
St6	2024	P5_sex_dot	real	N gMale a0 t1	142.856	14.534	122.769	182.369
St6	2024	P5_sex_dot	real	N gFemale a0 t1	138.438	14.470	118.479	177.848
St6	2024	P5_sex_dot	real	pent gMale a1 t2	0.104	0.029	0.059	0.175
St6	2024	P5_sex_dot	real	pent gMale a2 t3	0.037	0.019	0.013	0.100
St6	2024	P5_sex_dot	real	pent gMale a3 t4	0.191	0.032	0.135	0.262
St6	2024	P5_sex_dot	real	pent gMale a4 t5	0.099	0.027	0.057	0.167
St6	2024	P5_sex_dot	real	pent gMale a5 t6	0.039	0.019	0.015	0.099
St6	2024	P5_sex_dot	real	pent gMale a6 t7	0.167	0.030	0.115	0.236
St6	2024	P5_sex_dot	real	pent gMale a7 t8	0.116	0.027	0.073	0.180
St6	2024	P5_sex_dot	real	pent gMale a8 t9	<0.001	<0.001	<0.001	<0.001
St6	2024	P5_sex_dot	real	pent gFemale a1 t2	0.104	0.029	0.059	0.175
St6	2024	P5_sex_dot	real	pent gFemale a2 t3	0.037	0.019	0.013	0.100
St6	2024	P5_sex_dot	real	pent gFemale a3 t4	0.191	0.032	0.135	0.262

St6	2024	P5_sex_dot	real	pent gFemale a4 t5	0.099	0.027	0.057	0.167
St6	2024	P5_sex_dot	real	pent gFemale a5 t6	0.039	0.019	0.015	0.099
St6	2024	P5_sex_dot	real	pent gFemale a6 t7	0.167	0.030	0.115	0.236
St6	2024	P5_sex_dot	real	pent gFemale a7 t8	0.116	0.027	0.073	0.180
St6	2024	P5_sex_dot	real	pent gFemale a8 t9	<0.001	<0.001	<0.001	<0.001
St6	2024	P6_dot_sex	real	Phi gMale a0 t1	0.380	0.039	0.307	0.459
St6	2024	P6_dot_sex	real	p gMale a0 t1	0.624	0.097	0.424	0.789
St6	2024	P6_dot_sex	real	p gFemale a0 t1	0.582	0.100	0.384	0.757
St6	2024	P6_dot_sex	real	N gMale a0 t1	140.044	16.859	118.590	189.240
St6	2024	P6_dot_sex	real	N gFemale a0 t1	141.668	19.062	117.261	197.004
St6	2024	P6_dot_sex	real	pent gMale a1 t2	0.104	0.029	0.059	0.175
St6	2024	P6_dot_sex	real	pent gMale a2 t3	0.038	0.019	0.014	0.100
St6	2024	P6_dot_sex	real	pent gMale a3 t4	0.191	0.032	0.135	0.262
St6	2024	P6_dot_sex	real	pent gMale a4 t5	0.099	0.027	0.057	0.167
St6	2024	P6_dot_sex	real	pent gMale a5 t6	0.039	0.019	0.015	0.099
St6	2024	P6_dot_sex	real	pent gMale a6 t7	0.167	0.030	0.116	0.236
St6	2024	P6_dot_sex	real	pent gMale a7 t8	0.116	0.027	0.073	0.180
St6	2024	P6_dot_sex	real	pent gMale a8 t9	<0.001	<0.001	<0.001	<0.001
St6	2024	P6_dot_sex	real	pent gFemale a1 t2	0.104	0.029	0.059	0.175
St6	2024	P6_dot_sex	real	pent gFemale a2 t3	0.038	0.019	0.014	0.100
St6	2024	P6_dot_sex	real	pent gFemale a3 t4	0.191	0.032	0.135	0.262
St6	2024	P6_dot_sex	real	pent gFemale a4 t5	0.099	0.027	0.057	0.167
St6	2024	P6_dot_sex	real	pent gFemale a5 t6	0.039	0.019	0.015	0.099
St6	2024	P6_dot_sex	real	pent gFemale a6 t7	0.167	0.030	0.116	0.236
St6	2024	P6_dot_sex	real	pent gFemale a7 t8	0.116	0.027	0.073	0.180
St6	2024	P6_dot_sex	real	pent gFemale a8 t9	<0.001	<0.001	<0.001	<0.001
St6	2024	P7_sex_sex	real	Phi gMale a0 t1	0.386	0.053	0.289	0.493
St6	2024	P7_sex_sex	real	Phi gFemale a0 t1	0.374	0.054	0.276	0.484
St6	2024	P7_sex_sex	real	p gMale a0 t1	0.619	0.102	0.411	0.791
St6	2024	P7_sex_sex	real	p gFemale a0 t1	0.587	0.105	0.378	0.769
St6	2024	P7_sex_sex	real	N gMale a0 t1	140.498	17.213	118.674	190.884
St6	2024	P7_sex_sex	real	N gFemale a0 t1	141.099	19.218	116.706	197.301
St6	2024	P7_sex_sex	real	pent gMale a1 t2	0.104	0.029	0.059	0.175
St6	2024	P7_sex_sex	real	pent gMale a2 t3	0.038	0.019	0.014	0.100
St6	2024	P7_sex_sex	real	pent gMale a3 t4	0.191	0.032	0.135	0.262
St6	2024	P7_sex_sex	real	pent gMale a4 t5	0.099	0.027	0.057	0.167
St6	2024	P7_sex_sex	real	pent gMale a5 t6	0.039	0.019	0.015	0.100
St6	2024	P7_sex_sex	real	pent gMale a6 t7	0.167	0.031	0.116	0.236
St6	2024	P7_sex_sex	real	pent gMale a7 t8	0.116	0.027	0.073	0.180
St6	2024	P7_sex_sex	real	pent gMale a8 t9	<0.001	<0.001	<0.001	<0.001
St6	2024	P7_sex_sex	real	pent gFemale a1 t2	0.104	0.029	0.059	0.175
St6	2024	P7_sex_sex	real	pent gFemale a2 t3	0.038	0.019	0.014	0.100
St6	2024	P7_sex_sex	real	pent gFemale a3 t4	0.191	0.032	0.135	0.262
St6	2024	P7_sex_sex	real	pent gFemale a4 t5	0.099	0.027	0.057	0.167
St6	2024	P7_sex_sex	real	pent gFemale a5 t6	0.039	0.019	0.015	0.100
St6	2024	P7_sex_sex	real	pent gFemale a6 t7	0.167	0.031	0.116	0.236
St6	2024	P7_sex_sex	real	pent gFemale a7 t8	0.116	0.027	0.073	0.180
St6	2024	P7_sex_sex	real	pent gFemale a8 t9	<0.001	<0.001	<0.001	<0.001
St6	2024	P8_timeSex_timeSex	real	Phi gMale a0 t1	1	<0.001	1	1
St6	2024	P8_timeSex_timeSex	real	Phi gMale a1 t2	1.000	<0.001	<0.001	1
St6	2024	P8_timeSex_timeSex	real	Phi gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St6	2024	P8_timeSex_timeSex	real	Phi gMale a3 t4	1.000	0.001	<0.001	1
St6	2024	P8_timeSex_timeSex	real	Phi gMale a4 t5	1	<0.001	<0.001	1
St6	2024	P8_timeSex_timeSex	real	Phi gMale a5 t6	<0.001	<0.001	<0.001	<0.001
St6	2024	P8_timeSex_timeSex	real	Phi gMale a6 t7	1	<0.001	1	1
St6	2024	P8_timeSex_timeSex	real	Phi gMale a7 t8	1.000	<0.001	<0.001	1
St6	2024	P8_timeSex_timeSex	real	Phi gFemale a0 t1	1	<0.001	1	1
St6	2024	P8_timeSex_timeSex	real	Phi gFemale a1 t2	0.849	0.374	0.018	0.999
St6	2024	P8_timeSex_timeSex	real	Phi gFemale a2 t3	<0.001	<0.001	<0.001	<0.001

St6	2024	P8_timeSex_timeSex	real	Phi gFemale a3 t4	0.542	0.202	0.193	0.854
St6	2024	P8_timeSex_timeSex	real	Phi gFemale a4 t5	0.969	0.621	<0.001	1
St6	2024	P8_timeSex_timeSex	real	Phi gFemale a5 t6	<0.001	<0.001	<0.001	<0.001
St6	2024	P8_timeSex_timeSex	real	Phi gFemale a6 t7	1	<0.001	1	1
St6	2024	P8_timeSex_timeSex	real	Phi gFemale a7 t8	0.684	0.387	0.061	0.986
St6	2024	P8_timeSex_timeSex	real	p gMale a0 t1	0.274	0.066	0.165	0.420
St6	2024	P8_timeSex_timeSex	real	p gMale a1 t2	0.226	0.058	0.133	0.357
St6	2024	P8_timeSex_timeSex	real	p gMale a2 t3	0.137	0.048	0.067	0.260
St6	2024	P8_timeSex_timeSex	real	p gMale a3 t4	1.000	0.001	<0.001	1
St6	2024	P8_timeSex_timeSex	real	p gMale a4 t5	0.456	0.112	0.257	0.670
St6	2024	P8_timeSex_timeSex	real	p gMale a5 t6	0.144	0.063	0.059	0.313
St6	2024	P8_timeSex_timeSex	real	p gMale a6 t7	1	<0.001	1.000	1.000
St6	2024	P8_timeSex_timeSex	real	p gMale a7 t8	0.478	0.085	0.319	0.642
St6	2024	P8_timeSex_timeSex	real	p gMale a8 t9	0.159	0.058	0.074	0.308
St6	2024	P8_timeSex_timeSex	real	p gFemale a0 t1	0.368	0.076	0.235	0.526
St6	2024	P8_timeSex_timeSex	real	p gFemale a1 t2	0.310	0.069	0.193	0.458
St6	2024	P8_timeSex_timeSex	real	p gFemale a2 t3	0.197	0.073	0.090	0.379
St6	2024	P8_timeSex_timeSex	real	p gFemale a3 t4	1.000	0.001	<0.001	1
St6	2024	P8_timeSex_timeSex	real	p gFemale a4 t5	0.564	0.133	0.310	0.789
St6	2024	P8_timeSex_timeSex	real	p gFemale a5 t6	0.207	0.099	0.074	0.460
St6	2024	P8_timeSex_timeSex	real	p gFemale a6 t7	1	<0.001	1	1
St6	2024	P8_timeSex_timeSex	real	p gFemale a7 t8	0.586	0.092	0.401	0.749
St6	2024	P8_timeSex_timeSex	real	p gFemale a8 t9	0.226	0.093	0.094	0.452
St6	2024	P8_timeSex_timeSex	real	N gMale a0 t1	175.713	22.457	143.111	234.172
St6	2024	P8_timeSex_timeSex	real	N gFemale a0 t1	146.970	17.960	122.408	196.247
St6	2024	P8_timeSex_timeSex	real	pent gMale a1 t2	<0.001	<0.001	<0.001	<0.001
St6	2024	P8_timeSex_timeSex	real	pent gMale a2 t3	<0.001	<0.001	<0.001	<0.001
St6	2024	P8_timeSex_timeSex	real	pent gMale a3 t4	0.105	0.020	0.072	0.152
St6	2024	P8_timeSex_timeSex	real	pent gMale a4 t5	0.134	0.042	0.071	0.241
St6	2024	P8_timeSex_timeSex	real	pent gMale a5 t6	0.112	0.078	0.027	0.369
St6	2024	P8_timeSex_timeSex	real	pent gMale a6 t7	0.093	0.019	0.062	0.137
St6	2024	P8_timeSex_timeSex	real	pent gMale a7 t8	0.144	0.032	0.092	0.219
St6	2024	P8_timeSex_timeSex	real	pent gMale a8 t9	<0.001	<0.001	<0.001	1
St6	2024	P8_timeSex_timeSex	real	pent gFemale a1 t2	<0.001	<0.001	<0.001	<0.001
St6	2024	P8_timeSex_timeSex	real	pent gFemale a2 t3	<0.001	<0.001	<0.001	<0.001
St6	2024	P8_timeSex_timeSex	real	pent gFemale a3 t4	0.105	0.020	0.072	0.152
St6	2024	P8_timeSex_timeSex	real	pent gFemale a4 t5	0.134	0.042	0.071	0.241
St6	2024	P8_timeSex_timeSex	real	pent gFemale a5 t6	0.112	0.078	0.027	0.369
St6	2024	P8_timeSex_timeSex	real	pent gFemale a6 t7	0.093	0.019	0.062	0.137
St6	2024	P8_timeSex_timeSex	real	pent gFemale a7 t8	0.144	0.032	0.092	0.219
St6	2024	P8_timeSex_timeSex	real	pent gFemale a8 t9	<0.001	<0.001	<0.001	1