Supporting Information File S3. This document is an output file of the kuenm 1.1.7 package. It contains the parameters used in the models, the calibration results, and the best models selected for the species *Loncovilius edwardsianus* (Korge, 1963).

ku_enm: calibration results

Brief description of the model calibration and selection process

This is the final report of the ku_enm_ceval function implemented in the ku_enm R package.

In all, 1054 candidate models, with parameters reflecting all combinations of 17 regularization multiplier settings, 31 feature class combinations, and 2 distinct sets of environmental variables, have been evaluated. Model peformance was evaluated based on statistical significance (Partial_ROC), omission rates (OR), and the Akaike information criterion corrected for small sample sizes (AICc).

Table 1. Parameters of the candidate models.

	Parameters
Regularization multipliers	0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, 1, 2, 3, 4, 5, 6, 8, 10
Feature classes	l, q, p, t, h, lq, lp, lt, lh, qp, qt, qh, pt, ph, th, lqp, lqt, lqh, lpt, lph, lth, qpt, qph, qth, pth, lqpt, lqph, lqth, lpth, qpth, lqpth
Sets of predictors	Set1, Set2

The results presented below can be found in the calibration output folder if desired for further analyses.

Model calibration statistics

In the following table is information about how many models met the four selection criteria that this function uses.

Table 2. General statistics of models that met distinct criteria.

Criteria	**Number_of_models**
All candidate models	1054
Statistically significant models	855
Models meeting omission rate criteria	338
Models meeting AICc criteria	3
Statistically significant models meeting omission rate criteria	142
Statistically significant models meeting AICc criteria	3

Best models according to user-defined criteria

The following table contains the best models selected according to the user's pre-defined criteria.

Note that if the selection criterion was "OR_AICc", models below the omission rate and among them those with lower AICc values, delta AICc values were recalculated only among models meeting the omission rate criterion (*E*).

Table 3. Performance statistics for the best models selected based on the user's pre-defined critera.

Model	Mean_AUC_ratio	Partial_ROC	Omission_rate_at_5%	AICc	delta_AICc	W_AICc	num_parameters
M_0.6_F_lt_Set2	1.810	0	0	171.248	0.000	0.995	4
M_0.7_F_lt_Set2	1.793	0	0	172.311	1.063	0.369	4

Model performance plot

The figure below shows the position of the selected models in the distribution of all candidate models in terms of statistical significance, omission rates, and AICc values.

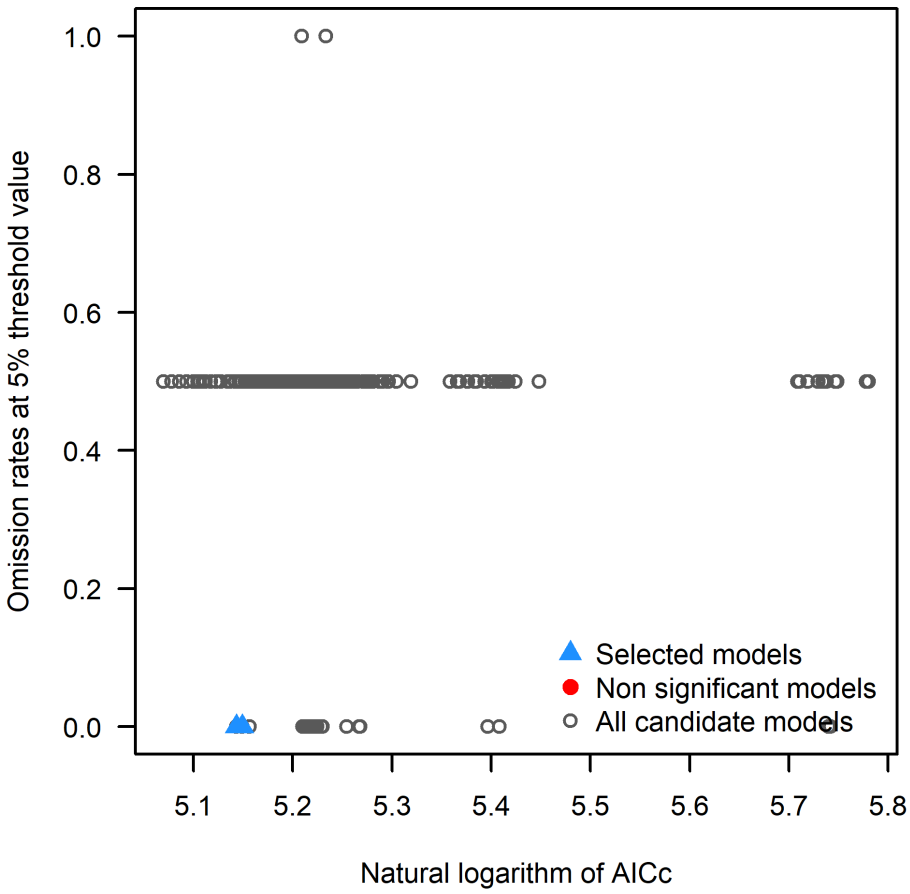

Figure 1. Distribution of all models, non-statistically significant models, and selected models in terms of the user's pre-defined criteria.

Performance statistics for all models

Following are the performance statistics for all candidate models (a sample if more than 500 models). See file calibration_results.csv for the complete list.

Table 4. Performance statistics for all candidate models.

Model	Mean_AUC_ratio	Partial_ROC	Omission_rate_at_5%	AICc	delta_AICc	W_AICc	num_parameters
M_0.1_F_l_Set1	1.484	0	0.5	195.515	36.352	0.000	5
M_0.1_F_l_Set2	1.544	0	0.5	179.195	20.031	0.000	2
M_0.1_F_q_Set1	1.748	0	0.5	213.940	54.777	0.000	7
M_0.1_F_q_Set2	1.627	0	0.5	172.830	13.666	0.000	2
M_0.1_F_p_Set1	1.661	0	0.5	309.243	150.080	0.000	8
M_0.1_F_p_Set2	1.372	0	0.0	186.630	27.466	0.000	1
M_0.1_F_t_Set1	1.833	0	1.0	NA	NA	NA	60
M_0.1_F_t_Set2	1.653	0	0.5	NA	NA	NA	27
M_0.1_F_h_Set1	1.980	0	0.5	NA	NA	NA	59
M_0.1_F_h_Set2	1.861	0	0.5	NA	NA	NA	11
M_0.1_F_lq_Set1	1.775	0	0.5	301.469	142.306	0.000	8
M_0.1_F_lq_Set2	1.850	0	0.5	159.164	0.000	0.001	3
M_0.1_F_lp_Set1	1.715	0	0.5	169.809	10.645	0.000	5
M_0.1_F_lp_Set2	1.639	0	0.5	177.908	18.744	0.000	3
M_0.1_F_lt_Set1	1.894	0	1.0	NA	NA	NA	60
M_0.1_F_lt_Set2	1.636	0	0.5	NA	NA	NA	27
M_0.1_F_lh_Set1	1.980	0	0.5	NA	NA	NA	59
M_0.1_F_lh_Set2	1.853	0	0.5	NA	NA	NA	11
M_0.1_F_qp_Set1	1.776	0	0.5	212.397	53.234	0.000	7
M_0.1_F_qp_Set2	1.762	0	0.5	166.920	7.757	0.000	3
M_0.1_F_qt_Set1	1.873	0	1.0	NA	NA	NA	60
M_0.1_F_qt_Set2	1.660	0	1.0	NA	NA	NA	29
M_0.1_F_qh_Set1	1.980	0	0.5	NA	NA	NA	59
M_0.1_F_qh_Set2	1.864	0	0.5	NA	NA	NA	11
M_0.1_F_pt_Set1	1.771	0	1.0	NA	NA	NA	60
M_0.1_F_pt_Set2	1.605	0	1.0	NA	NA	NA	28
M_0.1_F_ph_Set1	1.979	0	0.5	NA	NA	NA	54

M_0.1_F_ph_Set2	1.859	0	0.5	NA	NA	NA	11
M_0.1_F_th_Set1	1.808	0	1.0	NA	NA	NA	63
M_0.1_F_th_Set2	1.773	0	1.0	NA	NA	NA	32
M_0.1_F_lqp_Set1	1.743	0	0.5	302.121	142.957	0.000	8
M_0.1_F_lqp_Set2	1.840	0	0.5	160.436	1.272	0.001	3
M_0.1_F_lqt_Set1	1.875	0	1.0	NA	NA	NA	60
M_0.1_F_lqt_Set2	1.662	0	1.0	NA	NA	NA	31
M_0.1_F_lqh_Set1	1.980	0	0.5	NA	NA	NA	59
M_0.1_F_lqh_Set2	1.858	0	0.5	NA	NA	NA	12
M_0.1_F_lpt_Set1	1.878	0	1.0	NA	NA	NA	60
M_0.1_F_lpt_Set2	1.631	0	1.0	NA	NA	NA	28
M_0.1_F_lph_Set1	1.979	0	0.5	NA	NA	NA	54
M_0.1_F_lph_Set2	1.853	0	0.5	NA	NA	NA	11
M_0.1_F_lth_Set1	1.808	0	1.0	NA	NA	NA	63
M_0.1_F_lth_Set2	1.768	0	1.0	NA	NA	NA	32
M_0.1_F_qpt_Set1	1.848	0	1.0	NA	NA	NA	61
M_0.1_F_qpt_Set2	1.648	0	1.0	NA	NA	NA	28
M_0.1_F_qph_Set1	1.980	0	0.5	NA	NA	NA	59
M_0.1_F_qph_Set2	1.861	0	0.5	NA	NA	NA	11
M_0.1_F_qth_Set1	1.808	0	1.0	NA	NA	NA	63
M_0.1_F_qth_Set2	1.776	0	1.0	NA	NA	NA	32
M_0.1_F_pth_Set1	1.808	0	1.0	NA	NA	NA	63
M_0.1_F_pth_Set2	1.775	0	1.0	NA	NA	NA	32
M_0.1_F_lqpt_Set1	1.852	0	1.0	NA	NA	NA	61
M_0.1_F_lqpt_Set2	1.664	0	1.0	NA	NA	NA	29
M_0.1_F_lqph_Set1	1.980	0	0.5	NA	NA	NA	59
M_0.1_F_lqph_Set2	1.856	0	0.5	NA	NA	NA	11
M_0.1_F_lqth_Set1	1.808	0	1.0	NA	NA	NA	63
M_0.1_F_lqth_Set2	1.774	0	1.0	NA	NA	NA	32
M_0.1_F_lpth_Set1	1.808	0	1.0	NA	NA	NA	63
M_0.1_F_lpth_Set2	1.774	0	1.0	NA	NA	NA	32
M_0.1_F_qpth_Set1	1.808	0	1.0	NA	NA	NA	63
M_0.1_F_qpth_Set2	1.768	0	1.0	NA	NA	NA	32
M_0.1_F_lqpth_Set1	1.808	0	1.0	NA	NA	NA	63

M_0.1_F_lqpth_Set2	1.778	0	1.0	NA	NA	NA	32
M_0.2_F_l_Set1	1.487	0	0.5	196.025	36.861	0.000	5
M_0.2_F_l_Set2	1.534	0	0.5	179.239	20.075	0.000	2
M_0.2_F_q_Set1	1.706	0	0.5	216.188	57.024	0.000	7
M_0.2_F_q_Set2	1.627	0	0.5	172.861	13.698	0.000	2
M_0.2_F_p_Set1	1.646	0	0.5	193.558	34.394	0.000	6
M_0.2_F_p_Set2	1.371	0	0.0	186.638	27.474	0.000	1
M_0.2_F_t_Set1	1.472	0	1.0	NA	NA	NA	50
M_0.2_F_t_Set2	1.769	0	0.0	NA	NA	NA	17
M_0.2_F_h_Set1	1.717	0	0.5	NA	NA	NA	70
M_0.2_F_h_Set2	1.861	0	0.5	NA	NA	NA	9
M_0.2_F_lq_Set1	1.774	0	0.5	183.170	24.007	0.000	6
M_0.2_F_lq_Set2	1.832	0	0.5	160.436	1.272	0.001	3
M_0.2_F_lp_Set1	1.657	0	0.5	190.011	30.847	0.000	6
M_0.2_F_lp_Set2	1.601	0	0.5	179.459	20.296	0.000	3
M_0.2_F_lt_Set1	1.923	0	1.0	NA	NA	NA	53
M_0.2_F_lt_Set2	1.771	0	0.5	NA	NA	NA	21
M_0.2_F_lh_Set1	1.733	0	0.5	NA	NA	NA	70
M_0.2_F_lh_Set2	1.859	0	0.5	NA	NA	NA	9
M_0.2_F_qp_Set1	1.717	0	0.5	171.783	12.620	0.000	5
M_0.2_F_qp_Set2	1.738	0	0.5	164.765	5.602	0.000	2
M_0.2_F_qt_Set1	1.581	0	1.0	NA	NA	NA	54
M_0.2_F_qt_Set2	1.795	0	0.5	NA	NA	NA	19
M_0.2_F_qh_Set1	1.736	0	0.5	NA	NA	NA	61
M_0.2_F_qh_Set2	1.862	0	0.5	NA	NA	NA	9
M_0.2_F_pt_Set1	1.478	0	1.0	NA	NA	NA	50
M_0.2_F_pt_Set2	1.769	0	0.5	NA	NA	NA	19
M_0.2_F_ph_Set1	1.745	0	0.5	NA	NA	NA	70
M_0.2_F_ph_Set2	1.854	0	0.5	NA	NA	NA	9
M_0.2_F_th_Set1	1.865	0	1.0	NA	NA	NA	55
M_0.2_F_th_Set2	1.791	0	0.5	NA	NA	NA	23
M_0.2_F_lqp_Set1	1.717	0	0.5	216.259	57.095	0.000	7
M_0.2_F_lqp_Set2	1.803	0	0.5	162.916	3.752	0.000	3
M_0.2_F_lqt_Set1	1.551	0	1.0	NA	NA	NA	55

M_0.2_F_lqt_Set2	1.805	0	0.5	NA	NA	NA	21
M_0.2_F_lqh_Set1	1.752	0	0.5	NA	NA	NA	61
M_0.2_F_lqh_Set2	1.858	0	0.5	NA	NA	NA	9
M_0.2_F_lpt_Set1	1.506	0	1.0	NA	NA	NA	50
M_0.2_F_lpt_Set2	1.755	0	0.5	NA	NA	NA	20
M_0.2_F_lph_Set1	1.744	0	0.5	NA	NA	NA	70
M_0.2_F_lph_Set2	1.856	0	0.5	NA	NA	NA	9
M_0.2_F_lth_Set1	1.865	0	1.0	NA	NA	NA	55
M_0.2_F_lth_Set2	1.790	0	0.5	NA	NA	NA	23
M_0.2_F_qpt_Set1	1.519	0	1.0	NA	NA	NA	51
M_0.2_F_qpt_Set2	1.799	0	0.5	NA	NA	NA	19
M_0.2_F_qph_Set1	1.745	0	0.5	NA	NA	NA	70
M_0.2_F_qph_Set2	1.852	0	0.5	NA	NA	NA	10
M_0.2_F_qth_Set1	1.866	0	1.0	NA	NA	NA	57
M_0.2_F_qth_Set2	1.802	0	0.5	NA	NA	NA	23
M_0.2_F_pth_Set1	1.865	0	1.0	NA	NA	NA	55
M_0.2_F_pth_Set2	1.794	0	0.5	NA	NA	NA	23
M_0.2_F_lqpt_Set1	1.511	0	1.0	NA	NA	NA	51
M_0.2_F_lqpt_Set2	1.792	0	0.5	NA	NA	NA	20
M_0.2_F_lqph_Set1	1.745	0	0.5	NA	NA	NA	70
M_0.2_F_lqph_Set2	1.861	0	0.5	NA	NA	NA	10
M_0.2_F_lqth_Set1	1.866	0	1.0	NA	NA	NA	57
M_0.2_F_lqth_Set2	1.794	0	0.5	NA	NA	NA	23
M_0.2_F_lpth_Set1	1.865	0	1.0	NA	NA	NA	55
M_0.2_F_lpth_Set2	1.791	0	0.5	NA	NA	NA	23
M_0.2_F_qpth_Set1	1.865	0	1.0	NA	NA	NA	55
M_0.2_F_qpth_Set2	1.795	0	0.5	NA	NA	NA	23
M_0.2_F_lqpth_Set1	1.865	0	1.0	NA	NA	NA	55
M_0.2_F_lqpth_Set2	1.794	0	0.5	NA	NA	NA	23
M_0.3_F_l_Set1	1.464	0	0.5	187.947	28.783	0.000	4
M_0.3_F_l_Set2	1.531	0	0.5	179.309	20.146	0.000	2
M_0.3_F_q_Set1	1.731	0	0.5	188.675	29.512	0.000	6
M_0.3_F_q_Set2	1.632	0	0.5	172.912	13.748	0.000	2
M_0.3_F_p_Set1	1.629	0	0.5	172.096	12.933	0.000	4

M_0.3_F_p_Set2	1.370	0	0.0	186.651	27.488	0.000	1
M_0.3_F_t_Set1	1.468	0	1.0	NA	NA	NA	35
M_0.3_F_t_Set2	1.786	0	0.0	NA	NA	NA	10
M_0.3_F_h_Set1	1.732	0	0.5	NA	NA	NA	41
M_0.3_F_h_Set2	1.838	0	0.5	309.224	150.061	0.000	8
M_0.3_F_lq_Set1	1.748	0	0.5	184.819	25.656	0.000	6
M_0.3_F_lq_Set2	1.822	0	0.5	161.723	2.559	0.000	3
M_0.3_F_lp_Set1	1.647	0	0.5	193.420	34.256	0.000	6
M_0.3_F_lp_Set2	1.591	0	0.5	176.521	17.358	0.000	2
M_0.3_F_lt_Set1	1.485	0	1.0	NA	NA	NA	37
M_0.3_F_lt_Set2	1.805	0	0.5	NA	NA	NA	13
M_0.3_F_lh_Set1	1.748	0	0.5	NA	NA	NA	41
M_0.3_F_lh_Set2	1.846	0	0.5	309.224	150.061	0.000	8
M_0.3_F_qp_Set1	1.711	0	0.5	174.944	15.780	0.000	5
M_0.3_F_qp_Set2	1.715	0	0.5	165.972	6.808	0.000	2
M_0.3_F_qt_Set1	1.581	0	1.0	NA	NA	NA	34
M_0.3_F_qt_Set2	1.795	0	0.5	NA	NA	NA	15
M_0.3_F_qh_Set1	1.763	0	0.5	NA	NA	NA	42
M_0.3_F_qh_Set2	1.848	0	0.5	165.654	6.490	0.000	4
M_0.3_F_pt_Set1	1.528	0	1.0	NA	NA	NA	35
M_0.3_F_pt_Set2	1.794	0	0.5	NA	NA	NA	13
M_0.3_F_ph_Set1	1.755	0	0.5	NA	NA	NA	50
M_0.3_F_ph_Set2	1.851	0	0.5	309.224	150.061	0.000	8
M_0.3_F_th_Set1	1.595	0	1.0	NA	NA	NA	39
M_0.3_F_th_Set2	1.840	0	0.5	NA	NA	NA	16
M_0.3_F_lqp_Set1	1.703	0	0.5	189.551	30.387	0.000	6
M_0.3_F_lqp_Set2	1.790	0	0.5	165.059	5.896	0.000	3
M_0.3_F_lqt_Set1	1.603	0	1.0	NA	NA	NA	35
M_0.3_F_lqt_Set2	1.810	0	0.5	NA	NA	NA	12
M_0.3_F_lqh_Set1	1.747	0	0.5	NA	NA	NA	42
M_0.3_F_lqh_Set2	1.851	0	0.5	165.653	6.490	0.000	4
M_0.3_F_lpt_Set1	1.512	0	1.0	NA	NA	NA	35
M_0.3_F_lpt_Set2	1.792	0	0.5	NA	NA	NA	13
M_0.3_F_lph_Set1	1.740	0	0.5	NA	NA	NA	50

M_0.3_F_lph_Set2	1.854	0	0.5	309.224	150.061	0.000	8
M_0.3_F_lth_Set1	1.589	0	1.0	NA	NA	NA	39
M_0.3_F_lth_Set2	1.852	0	0.5	NA	NA	NA	16
M_0.3_F_qpt_Set1	1.571	0	1.0	NA	NA	NA	36
M_0.3_F_qpt_Set2	1.804	0	0.5	NA	NA	NA	13
M_0.3_F_qph_Set1	1.738	0	0.5	NA	NA	NA	50
M_0.3_F_qph_Set2	1.848	0	0.5	309.224	150.061	0.000	8
M_0.3_F_qth_Set1	1.608	0	1.0	NA	NA	NA	44
M_0.3_F_qth_Set2	1.824	0	0.5	NA	NA	NA	17
M_0.3_F_pth_Set1	1.584	0	1.0	NA	NA	NA	39
M_0.3_F_pth_Set2	1.842	0	0.5	NA	NA	NA	16
M_0.3_F_lqpt_Set1	1.547	0	1.0	NA	NA	NA	37
M_0.3_F_lqpt_Set2	1.803	0	0.5	NA	NA	NA	14
M_0.3_F_lqph_Set1	1.750	0	0.5	NA	NA	NA	50
M_0.3_F_lqph_Set2	1.846	0	0.5	309.224	150.061	0.000	8
M_0.3_F_lqth_Set1	1.610	0	1.0	NA	NA	NA	44
M_0.3_F_lqth_Set2	1.828	0	0.5	NA	NA	NA	17
M_0.3_F_lpth_Set1	1.568	0	1.0	NA	NA	NA	39
M_0.3_F_lpth_Set2	1.836	0	0.5	NA	NA	NA	16
M_0.3_F_qpth_Set1	1.578	0	1.0	NA	NA	NA	39
M_0.3_F_qpth_Set2	1.835	0	0.5	NA	NA	NA	16
M_0.3_F_lqpth_Set1	1.602	0	1.0	NA	NA	NA	39
M_0.3_F_lqpth_Set2	1.839	0	0.5	NA	NA	NA	16
M_0.4_F_l_Set1	1.499	0	0.5	188.308	29.144	0.000	4
M_0.4_F_l_Set2	1.529	0	0.5	179.406	20.242	0.000	2
M_0.4_F_q_Set1	1.614	0	0.5	191.074	31.910	0.000	6
M_0.4_F_q_Set2	1.622	0	0.5	172.980	13.817	0.000	2
M_0.4_F_p_Set1	1.620	0	0.5	183.573	24.410	0.000	5
M_0.4_F_p_Set2	1.369	0	0.0	186.669	27.506	0.000	1
M_0.4_F_t_Set1	1.499	0	1.0	NA	NA	NA	23
M_0.4_F_t_Set2	1.768	0	0.0	220.658	61.494	0.000	7
M_0.4_F_h_Set1	1.731	0	0.5	NA	NA	NA	31
M_0.4_F_h_Set2	1.845	0	0.5	NA	NA	NA	9
M_0.4_F_lq_Set1	1.721	0	0.5	186.436	27.272	0.000	6

M_0.4_F_lq_Set2	1.815	0	0.5	162.916	3.752	0.000	3
M_0.4_F_lp_Set1	1.600	0	0.5	196.358	37.195	0.000	6
M_0.4_F_lp_Set2	1.602	0	0.5	176.902	17.738	0.000	2
M_0.4_F_lt_Set1	1.505	0	1.0	NA	NA	NA	23
M_0.4_F_lt_Set2	1.816	0	0.0	311.687	152.523	0.000	8
M_0.4_F_lh_Set1	1.748	0	0.5	NA	NA	NA	28
M_0.4_F_lh_Set2	1.847	0	0.5	NA	NA	NA	9
M_0.4_F_qp_Set1	1.650	0	0.5	193.349	34.186	0.000	6
M_0.4_F_qp_Set2	1.670	0	0.5	172.182	13.018	0.000	3
M_0.4_F_qt_Set1	1.598	0	1.0	NA	NA	NA	23
M_0.4_F_qt_Set2	1.797	0	0.5	NA	NA	NA	11
M_0.4_F_qh_Set1	1.749	0	0.5	NA	NA	NA	36
M_0.4_F_qh_Set2	1.836	0	0.5	190.801	31.638	0.000	6
M_0.4_F_pt_Set1	1.549	0	1.0	NA	NA	NA	25
M_0.4_F_pt_Set2	1.759	0	0.0	220.658	61.494	0.000	7
M_0.4_F_ph_Set1	1.725	0	0.5	NA	NA	NA	28
M_0.4_F_ph_Set2	1.847	0	0.5	NA	NA	NA	9
M_0.4_F_th_Set1	1.626	0	1.0	NA	NA	NA	39
M_0.4_F_th_Set2	1.865	0	0.5	304.585	145.421	0.000	8
M_0.4_F_lqp_Set1	1.657	0	0.5	177.378	18.214	0.000	5
M_0.4_F_lqp_Set2	1.760	0	0.5	166.944	7.781	0.000	3
M_0.4_F_lqt_Set1	1.635	0	1.0	NA	NA	NA	26
M_0.4_F_lqt_Set2	1.820	0	0.5	NA	NA	NA	9
M_0.4_F_lqh_Set1	1.732	0	0.5	NA	NA	NA	36
M_0.4_F_lqh_Set2	1.839	0	0.5	190.794	31.630	0.000	6
M_0.4_F_lpt_Set1	1.487	0	1.0	NA	NA	NA	25
M_0.4_F_lpt_Set2	1.751	0	0.0	310.962	151.798	0.000	8
M_0.4_F_lph_Set1	1.749	0	0.5	NA	NA	NA	28
M_0.4_F_lph_Set2	1.847	0	0.5	NA	NA	NA	9
M_0.4_F_lth_Set1	1.643	0	1.0	NA	NA	NA	39
M_0.4_F_lth_Set2	1.878	0	0.5	304.585	145.421	0.000	8
M_0.4_F_qpt_Set1	1.579	0	1.0	NA	NA	NA	25
M_0.4_F_qpt_Set2	1.774	0	0.5	NA	NA	NA	10
M_0.4_F_qph_Set1	1.747	0	0.5	NA	NA	NA	28

M_0.4_F_qph_Set2	1.845	0	0.5	NA	NA	NA	9
M_0.4_F_qth_Set1	1.660	0	1.0	NA	NA	NA	47
M_0.4_F_qth_Set2	1.869	0	0.5	214.540	55.376	0.000	7
M_0.4_F_pth_Set1	1.657	0	1.0	NA	NA	NA	39
M_0.4_F_pth_Set2	1.869	0	0.5	304.585	145.421	0.000	8
M_0.4_F_lqpt_Set1	1.582	0	1.0	NA	NA	NA	26
M_0.4_F_lqpt_Set2	1.785	0	0.5	NA	NA	NA	12
M_0.4_F_lqph_Set1	1.737	0	0.5	NA	NA	NA	28
M_0.4_F_lqph_Set2	1.851	0	0.5	NA	NA	NA	9
M_0.4_F_lqth_Set1	1.663	0	1.0	NA	NA	NA	47
M_0.4_F_lqth_Set2	1.865	0	0.5	214.540	55.376	0.000	7
M_0.4_F_lpth_Set1	1.644	0	1.0	NA	NA	NA	39
M_0.4_F_lpth_Set2	1.874	0	0.5	304.585	145.421	0.000	8
M_0.4_F_qpth_Set1	1.654	0	1.0	NA	NA	NA	39
M_0.4_F_qpth_Set2	1.880	0	0.5	304.585	145.421	0.000	8
M_0.4_F_lqpth_Set1	1.627	0	1.0	NA	NA	NA	39
M_0.4_F_lqpth_Set2	1.872	0	0.5	304.585	145.421	0.000	8
M_0.5_F_l_Set1	1.447	0	0.5	182.741	23.578	0.000	3
M_0.5_F_l_Set2	1.523	0	0.5	179.527	20.363	0.000	2
M_0.5_F_q_Set1	1.593	0	0.5	193.524	34.361	0.000	6
M_0.5_F_q_Set2	1.631	0	0.5	173.067	13.903	0.000	2
M_0.5_F_p_Set1	1.569	0	0.5	186.462	27.298	0.000	5
M_0.5_F_p_Set2	1.372	0	0.0	186.693	27.529	0.000	1
M_0.5_F_t_Set1	1.483	0	0.5	NA	NA	NA	15
M_0.5_F_t_Set2	1.767	0	0.0	223.238	64.075	0.000	7
M_0.5_F_h_Set1	1.721	0	0.5	NA	NA	NA	20
M_0.5_F_h_Set2	1.847	0	0.5	192.069	32.906	0.000	6
M_0.5_F_lq_Set1	1.718	0	0.5	218.174	59.011	0.000	7
M_0.5_F_lq_Set2	1.803	0	0.5	164.026	4.862	0.000	3
M_0.5_F_lp_Set1	1.543	0	0.5	199.471	40.307	0.000	6
M_0.5_F_lp_Set2	1.599	0	0.5	177.373	18.209	0.000	2
M_0.5_F_lt_Set1	1.502	0	0.5	NA	NA	NA	18
M_0.5_F_lt_Set2	1.826	0	0.0	194.062	34.898	0.000	6
M_0.5_F_lh_Set1	1.718	0	0.5	NA	NA	NA	20

M_0.5_F_lh_Set2	1.835	0	0.5	192.069	32.906	0.000	6
M_0.5_F_qp_Set1	1.638	0	0.5	180.990	21.826	0.000	5
M_0.5_F_qp_Set2	1.646	0	0.5	174.087	14.923	0.000	3
M_0.5_F_qt_Set1	1.614	0	0.5	NA	NA	NA	15
M_0.5_F_qt_Set2	1.782	0	0.5	NA	NA	NA	9
M_0.5_F_qh_Set1	1.729	0	0.5	NA	NA	NA	33
M_0.5_F_qh_Set2	1.821	0	0.5	176.909	17.745	0.000	5
M_0.5_F_pt_Set1	1.556	0	0.5	NA	NA	NA	17
M_0.5_F_pt_Set2	1.762	0	0.0	223.238	64.075	0.000	7
M_0.5_F_ph_Set1	1.719	0	0.5	NA	NA	NA	21
M_0.5_F_ph_Set2	1.848	0	0.5	192.069	32.906	0.000	6
M_0.5_F_th_Set1	1.688	0	1.0	NA	NA	NA	28
M_0.5_F_th_Set2	1.864	0	0.5	217.760	58.597	0.000	7
M_0.5_F_lqp_Set1	1.643	0	0.5	180.278	21.114	0.000	5
M_0.5_F_lqp_Set2	1.738	0	0.5	168.651	9.488	0.000	3
M_0.5_F_lqt_Set1	1.647	0	0.5	NA	NA	NA	19
M_0.5_F_lqt_Set2	1.821	0	0.5	309.709	150.545	0.000	8
M_0.5_F_lqh_Set1	1.710	0	0.5	NA	NA	NA	33
M_0.5_F_lqh_Set2	1.820	0	0.5	191.975	32.811	0.000	6
M_0.5_F_lpt_Set1	1.533	0	0.5	NA	NA	NA	17
M_0.5_F_lpt_Set2	1.771	0	0.0	193.803	34.639	0.000	6
M_0.5_F_lph_Set1	1.716	0	0.5	NA	NA	NA	21
M_0.5_F_lph_Set2	1.835	0	0.5	192.069	32.906	0.000	6
M_0.5_F_lth_Set1	1.684	0	0.5	NA	NA	NA	28
M_0.5_F_lth_Set2	1.846	0	0.5	217.760	58.597	0.000	7
M_0.5_F_qpt_Set1	1.586	0	0.5	NA	NA	NA	17
M_0.5_F_qpt_Set2	1.785	0	0.5	NA	NA	NA	10
M_0.5_F_qph_Set1	1.712	0	0.5	NA	NA	NA	20
M_0.5_F_qph_Set2	1.830	0	0.5	192.069	32.906	0.000	6
M_0.5_F_qth_Set1	1.702	0	0.5	NA	NA	NA	36
M_0.5_F_qth_Set2	1.841	0	0.5	307.682	148.518	0.000	8
M_0.5_F_pth_Set1	1.675	0	1.0	NA	NA	NA	28
M_0.5_F_pth_Set2	1.851	0	0.5	217.760	58.597	0.000	7
M_0.5_F_lqpt_Set1	1.566	0	0.5	NA	NA	NA	17

M_0.5_F_lqpt_Set2	1.771	0	0.5	NA	NA	NA	10
M_0.5_F_lqph_Set1	1.744	0	0.5	NA	NA	NA	20
M_0.5_F_lqph_Set2	1.838	0	0.5	192.069	32.906	0.000	6
M_0.5_F_lqth_Set1	1.690	0	0.5	NA	NA	NA	36
M_0.5_F_lqth_Set2	1.850	0	0.5	307.908	148.744	0.000	8
M_0.5_F_lpth_Set1	1.686	0	1.0	NA	NA	NA	28
M_0.5_F_lpth_Set2	1.851	0	0.5	217.760	58.597	0.000	7
M_0.5_F_qpth_Set1	1.673	0	1.0	NA	NA	NA	28
M_0.5_F_qpth_Set2	1.854	0	0.5	217.760	58.597	0.000	7
M_0.5_F_lqpth_Set1	1.688	0	1.0	NA	NA	NA	28
M_0.5_F_lqpth_Set2	1.839	0	0.5	217.760	58.597	0.000	7
M_0.6_F_l_Set1	1.411	0	0.5	182.942	23.778	0.000	3
M_0.6_F_l_Set2	1.534	0	0.5	179.671	20.507	0.000	2
M_0.6_F_q_Set1	1.590	0	0.5	195.980	36.816	0.000	6
M_0.6_F_q_Set2	1.648	0	0.5	173.169	14.006	0.000	2
M_0.6_F_p_Set1	1.548	0	0.5	189.391	30.227	0.000	5
M_0.6_F_p_Set2	1.369	0	0.0	186.721	27.558	0.000	1
M_0.6_F_t_Set1	1.503	0	0.5	NA	NA	NA	12
M_0.6_F_t_Set2	1.394	0	0.5	171.107	11.943	0.000	4
M_0.6_F_h_Set1	1.751	0	0.5	NA	NA	NA	31
M_0.6_F_h_Set2	1.840	0	0.5	223.023	63.860	0.000	7
M_0.6_F_lq_Set1	1.676	0	0.5	219.987	60.823	0.000	7
M_0.6_F_lq_Set2	1.781	0	0.5	165.059	5.896	0.000	3
M_0.6_F_lp_Set1	1.512	0	0.5	187.523	28.359	0.000	5
M_0.6_F_lp_Set2	1.581	0	0.5	177.931	18.767	0.000	2
M_0.6_F_lt_Set1	1.490	0	0.5	NA	NA	NA	13
M_0.6_F_lt_Set2	1.810	0	0.0	171.248	12.084	0.000	4
M_0.6_F_lh_Set1	1.702	0	0.5	NA	NA	NA	22
M_0.6_F_lh_Set2	1.822	0	0.5	223.023	63.860	0.000	7
M_0.6_F_qp_Set1	1.623	0	0.5	174.046	14.882	0.000	4
M_0.6_F_qp_Set2	1.621	0	0.5	175.781	16.617	0.000	3
M_0.6_F_qt_Set1	1.640	0	0.5	NA	NA	NA	14
M_0.6_F_qt_Set2	1.789	0	0.5	313.462	154.299	0.000	8
M_0.6_F_qh_Set1	1.725	0	0.5	NA	NA	NA	39

M_0.6_F_qh_Set2	1.821	0	0.5	177.831	18.668	0.000	5
M_0.6_F_pt_Set1	1.553	0	0.5	NA	NA	NA	14
M_0.6_F_pt_Set2	1.394	0	0.5	171.107	11.943	0.000	4
M_0.6_F_ph_Set1	1.723	0	0.5	NA	NA	NA	22
M_0.6_F_ph_Set2	1.841	0	0.5	223.023	63.860	0.000	7
M_0.6_F_th_Set1	1.680	0	0.5	NA	NA	NA	26
M_0.6_F_th_Set2	1.845	0	0.5	NA	NA	NA	12
M_0.6_F_lqp_Set1	1.612	0	0.5	197.861	38.698	0.000	6
M_0.6_F_lqp_Set2	1.720	0	0.5	170.231	11.067	0.000	3
M_0.6_F_lqt_Set1	1.643	0	0.5	NA	NA	NA	15
M_0.6_F_lqt_Set2	1.793	0	0.5	191.607	32.444	0.000	6
M_0.6_F_lqh_Set1	1.732	0	0.5	NA	NA	NA	47
M_0.6_F_lqh_Set2	1.817	0	0.5	177.873	18.709	0.000	5
M_0.6_F_lpt_Set1	1.551	0	0.5	NA	NA	NA	14
M_0.6_F_lpt_Set2	1.394	0	0.5	171.061	11.898	0.000	4
M_0.6_F_lph_Set1	1.725	0	0.5	NA	NA	NA	22
M_0.6_F_lph_Set2	1.841	0	0.5	223.023	63.860	0.000	7
M_0.6_F_lth_Set1	1.670	0	0.5	NA	NA	NA	26
M_0.6_F_lth_Set2	1.834	0	0.5	NA	NA	NA	12
M_0.6_F_qpt_Set1	1.565	0	0.5	NA	NA	NA	15
M_0.6_F_qpt_Set2	1.775	0	0.5	NA	NA	NA	9
M_0.6_F_qph_Set1	1.721	0	0.5	NA	NA	NA	22
M_0.6_F_qph_Set2	1.836	0	0.5	193.021	33.858	0.000	6
M_0.6_F_qth_Set1	1.704	0	0.5	NA	NA	NA	40
M_0.6_F_qth_Set2	1.818	0	0.5	310.414	151.250	0.000	8
M_0.6_F_pth_Set1	1.683	0	0.5	NA	NA	NA	26
M_0.6_F_pth_Set2	1.838	0	0.5	NA	NA	NA	12
M_0.6_F_lqpt_Set1	1.578	0	0.5	NA	NA	NA	15
M_0.6_F_lqpt_Set2	1.769	0	0.5	NA	NA	NA	9
M_0.6_F_lqph_Set1	1.719	0	0.5	NA	NA	NA	22
M_0.6_F_lqph_Set2	1.828	0	0.5	193.021	33.858	0.000	6
M_0.6_F_lqth_Set1	1.657	0	0.5	NA	NA	NA	40
M_0.6_F_lqth_Set2	1.812	0	0.5	310.419	151.256	0.000	8
M_0.6_F_lpth_Set1	1.673	0	0.5	NA	NA	NA	26

M_0.6_F_lpth_Set2	1.834	0	0.5	NA	NA	NA	12
M_0.6_F_qpth_Set1	1.665	0	0.5	NA	NA	NA	26
M_0.6_F_qpth_Set2	1.836	0	0.5	NA	NA	NA	12
M_0.6_F_lqpth_Set1	1.657	0	0.5	NA	NA	NA	26
M_0.6_F_lqpth_Set2	1.842	0	0.5	NA	NA	NA	12
M_0.7_F_l_Set1	1.428	0	0.5	183.176	24.013	0.000	3
M_0.7_F_l_Set2	1.548	0	0.5	179.837	20.673	0.000	2
M_0.7_F_q_Set1	1.598	0	0.5	198.550	39.387	0.000	6
M_0.7_F_q_Set2	1.620	0	0.5	173.287	14.124	0.000	2
M_0.7_F_p_Set1	1.536	0	0.5	192.359	33.196	0.000	5
M_0.7_F_p_Set2	1.366	0	0.0	186.755	27.591	0.000	1
M_0.7_F_t_Set1	1.517	0	0.5	NA	NA	NA	10
M_0.7_F_t_Set2	1.394	0	0.5	172.122	12.958	0.000	4
M_0.7_F_h_Set1	1.716	0	0.5	NA	NA	NA	18
M_0.7_F_h_Set2	1.823	0	0.5	223.953	64.789	0.000	7
M_0.7_F_lq_Set1	1.682	0	0.5	221.539	62.375	0.000	7
M_0.7_F_lq_Set2	1.766	0	0.5	166.029	6.866	0.000	3
M_0.7_F_lp_Set1	1.519	0	0.5	181.011	21.848	0.000	4
M_0.7_F_lp_Set2	1.564	0	0.5	178.570	19.407	0.000	2
M_0.7_F_lt_Set1	1.511	0	0.5	NA	NA	NA	12
M_0.7_F_lt_Set2	1.793	0	0.0	172.311	13.147	0.000	4
M_0.7_F_lh_Set1	1.677	0	0.5	NA	NA	NA	18
M_0.7_F_lh_Set2	1.819	0	0.5	223.953	64.789	0.000	7
M_0.7_F_qp_Set1	1.594	0	0.5	175.874	16.710	0.000	4
M_0.7_F_qp_Set2	1.633	0	0.5	177.292	18.128	0.000	3
M_0.7_F_qt_Set1	1.624	0	0.5	NA	NA	NA	13
M_0.7_F_qt_Set2	1.754	0	0.5	195.677	36.513	0.000	6
M_0.7_F_qh_Set1	1.724	0	0.5	NA	NA	NA	37
M_0.7_F_qh_Set2	1.818	0	0.5	313.791	154.627	0.000	8
M_0.7_F_pt_Set1	1.526	0	0.5	NA	NA	NA	12
M_0.7_F_pt_Set2	1.394	0	0.5	172.122	12.958	0.000	4
M_0.7_F_ph_Set1	1.707	0	0.5	NA	NA	NA	18
M_0.7_F_ph_Set2	1.828	0	0.5	223.953	64.789	0.000	7
M_0.7_F_th_Set1	1.713	0	0.5	NA	NA	NA	28

M_0.7_F_th_Set2	1.831	0	0.5	NA	NA	NA	9
M_0.7_F_lqp_Set1	1.595	0	0.5	175.998	16.835	0.000	4
M_0.7_F_lqp_Set2	1.695	0	0.5	171.717	12.554	0.000	3
M_0.7_F_lqt_Set1	1.640	0	0.5	NA	NA	NA	14
M_0.7_F_lqt_Set2	1.766	0	0.5	193.063	33.900	0.000	6
M_0.7_F_lqh_Set1	1.724	0	0.5	NA	NA	NA	37
M_0.7_F_lqh_Set2	1.816	0	0.5	223.813	64.650	0.000	7
M_0.7_F_lpt_Set1	1.544	0	0.5	NA	NA	NA	12
M_0.7_F_lpt_Set2	1.394	0	0.5	172.069	12.906	0.000	4
M_0.7_F_lph_Set1	1.738	0	0.5	NA	NA	NA	18
M_0.7_F_lph_Set2	1.829	0	0.5	223.953	64.789	0.000	7
M_0.7_F_lth_Set1	1.669	0	0.5	NA	NA	NA	28
M_0.7_F_lth_Set2	1.824	0	0.5	NA	NA	NA	9
M_0.7_F_qpt_Set1	1.588	0	0.5	NA	NA	NA	13
M_0.7_F_qpt_Set2	1.752	0	0.5	225.295	66.132	0.000	7
M_0.7_F_qph_Set1	1.706	0	0.5	NA	NA	NA	18
M_0.7_F_qph_Set2	1.824	0	0.5	223.953	64.789	0.000	7
M_0.7_F_qth_Set1	1.695	0	0.5	NA	NA	NA	29
M_0.7_F_qth_Set2	1.812	0	0.5	221.872	62.708	0.000	7
M_0.7_F_pth_Set1	1.697	0	0.5	NA	NA	NA	28
M_0.7_F_pth_Set2	1.836	0	0.5	NA	NA	NA	9
M_0.7_F_lqpt_Set1	1.614	0	0.5	NA	NA	NA	13
M_0.7_F_lqpt_Set2	1.766	0	0.5	195.224	36.060	0.000	6
M_0.7_F_lqph_Set1	1.713	0	0.5	NA	NA	NA	18
M_0.7_F_lqph_Set2	1.828	0	0.5	223.953	64.789	0.000	7
M_0.7_F_lqth_Set1	1.666	0	0.5	NA	NA	NA	29
M_0.7_F_lqth_Set2	1.795	0	0.5	221.906	62.742	0.000	7
M_0.7_F_lpth_Set1	1.703	0	0.5	NA	NA	NA	28
M_0.7_F_lpth_Set2	1.833	0	0.5	NA	NA	NA	9
M_0.7_F_qpth_Set1	1.713	0	0.5	NA	NA	NA	28
M_0.7_F_qpth_Set2	1.838	0	0.5	NA	NA	NA	9
M_0.7_F_lqpth_Set1	1.711	0	0.5	NA	NA	NA	28
M_0.7_F_lqpth_Set2	1.838	0	0.5	NA	NA	NA	9
M_0.8_F_l_Set1	1.446	0	0.5	183.445	24.282	0.000	3

M_0.8_F_l_Set2	1.531	0	0.5	180.024	20.860	0.000	2
M_0.8_F_q_Set1	1.586	0	0.5	201.246	42.083	0.000	6
M_0.8_F_q_Set2	1.638	0	0.5	173.421	14.257	0.000	2
M_0.8_F_p_Set1	1.563	0	0.5	185.082	25.919	0.000	4
M_0.8_F_p_Set2	1.368	0	0.0	186.793	27.630	0.000	1
M_0.8_F_t_Set1	1.457	0	0.5	NA	NA	NA	9
M_0.8_F_t_Set2	1.394	0	0.5	173.285	14.122	0.000	4
M_0.8_F_h_Set1	1.708	0	0.5	NA	NA	NA	18
M_0.8_F_h_Set2	1.821	0	0.5	194.891	35.728	0.000	6
M_0.8_F_lq_Set1	1.668	0	0.5	223.299	64.136	0.000	7
M_0.8_F_lq_Set2	1.768	0	0.5	166.944	7.781	0.000	3
M_0.8_F_lp_Set1	1.523	0	0.5	192.831	33.667	0.000	5
M_0.8_F_lp_Set2	1.555	0	0.5	183.756	24.592	0.000	3
M_0.8_F_lt_Set1	1.473	0	0.5	NA	NA	NA	11
M_0.8_F_lt_Set2	1.753	0	0.0	173.526	14.363	0.000	4
M_0.8_F_lh_Set1	1.697	0	0.5	NA	NA	NA	18
M_0.8_F_lh_Set2	1.810	0	0.5	194.891	35.728	0.000	6
M_0.8_F_qp_Set1	1.579	0	0.5	177.600	18.437	0.000	4
M_0.8_F_qp_Set2	1.625	0	0.5	178.682	19.518	0.000	3
M_0.8_F_qt_Set1	1.599	0	0.5	NA	NA	NA	11
M_0.8_F_qt_Set2	1.749	0	0.5	182.302	23.138	0.000	5
M_0.8_F_qh_Set1	1.746	0	0.5	NA	NA	NA	26
M_0.8_F_qh_Set2	1.809	0	0.5	224.664	65.500	0.000	7
M_0.8_F_pt_Set1	1.556	0	0.5	NA	NA	NA	11
M_0.8_F_pt_Set2	1.394	0	0.5	173.285	14.122	0.000	4
M_0.8_F_ph_Set1	1.713	0	0.5	NA	NA	NA	18
M_0.8_F_ph_Set2	1.814	0	0.5	194.891	35.728	0.000	6
M_0.8_F_th_Set1	1.719	0	0.5	NA	NA	NA	20
M_0.8_F_th_Set2	1.826	0	0.5	313.219	154.055	0.000	8
M_0.8_F_lqp_Set1	1.559	0	0.5	177.504	18.341	0.000	4
M_0.8_F_lqp_Set2	1.673	0	0.5	173.129	13.965	0.000	3
M_0.8_F_lqt_Set1	1.651	0	0.5	NA	NA	NA	14
M_0.8_F_lqt_Set2	1.753	0	0.5	194.666	35.503	0.000	6
M_0.8_F_lqh_Set1	1.679	0	0.5	NA	NA	NA	26

M_0.8_F_lqh_Set2	1.808	0	0.5	179.678	20.514	0.000	5
M_0.8_F_lpt_Set1	1.544	0	0.5	NA	NA	NA	11
M_0.8_F_lpt_Set2	1.394	0	0.5	173.225	14.061	0.000	4
M_0.8_F_lph_Set1	1.715	0	0.5	NA	NA	NA	18
M_0.8_F_lph_Set2	1.813	0	0.5	194.891	35.728	0.000	6
M_0.8_F_lth_Set1	1.675	0	0.5	NA	NA	NA	20
M_0.8_F_lth_Set2	1.824	0	0.5	313.219	154.055	0.000	8
M_0.8_F_qpt_Set1	1.545	0	0.5	NA	NA	NA	10
M_0.8_F_qpt_Set2	1.755	0	0.5	196.613	37.450	0.000	6
M_0.8_F_qph_Set1	1.719	0	0.5	NA	NA	NA	18
M_0.8_F_qph_Set2	1.814	0	0.5	194.891	35.728	0.000	6
M_0.8_F_qth_Set1	1.688	0	0.5	NA	NA	NA	35
M_0.8_F_qth_Set2	1.800	0	0.5	NA	NA	NA	9
M_0.8_F_pth_Set1	1.706	0	0.5	NA	NA	NA	20
M_0.8_F_pth_Set2	1.825	0	0.5	313.219	154.055	0.000	8
M_0.8_F_lqpt_Set1	1.597	0	0.5	NA	NA	NA	11
M_0.8_F_lqpt_Set2	1.758	0	0.5	181.535	22.371	0.000	5
M_0.8_F_lqph_Set1	1.738	0	0.5	NA	NA	NA	18
M_0.8_F_lqph_Set2	1.822	0	0.5	194.891	35.728	0.000	6
M_0.8_F_lqth_Set1	1.685	0	0.5	NA	NA	NA	35
M_0.8_F_lqth_Set2	1.795	0	0.5	223.465	64.301	0.000	7
M_0.8_F_lpth_Set1	1.678	0	0.5	NA	NA	NA	20
M_0.8_F_lpth_Set2	1.823	0	0.5	313.219	154.055	0.000	8
M_0.8_F_qpth_Set1	1.695	0	0.5	NA	NA	NA	20
M_0.8_F_qpth_Set2	1.812	0	0.5	313.219	154.055	0.000	8
M_0.8_F_lqpth_Set1	1.718	0	0.5	NA	NA	NA	20
M_0.8_F_lqpth_Set2	1.824	0	0.5	313.219	154.055	0.000	8
M_0.9_F_l_Set1	1.469	0	0.5	183.749	24.585	0.000	3
M_0.9_F_l_Set2	1.543	0	0.5	180.231	21.067	0.000	2
M_0.9_F_q_Set1	1.539	0	0.5	204.179	45.016	0.000	6
M_0.9_F_q_Set2	1.639	0	0.5	173.568	14.405	0.000	2