Supporting Information File S6. 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 variabilis* sp. nov.
The results from this ecological niche model of *L. variabilis* sp. nov. include the northernmost occurrence (Santiago Metropolitan Region).

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	812
Models meeting omission rate criteria	831
Models meeting AICc criteria	15
Statistically significant models meeting omission rate criteria	589
Statistically significant models meeting AICc criteria	14

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_2_F_h_Set2	1.884	0	0	288.294	0.000	0.040	4
M_2_F_lh_Set2	1.884	0	0	288.294	0.000	0.040	4
M_2_F_qh_Set2	1.884	0	0	288.294	0.000	0.040	4
M_2_F_ph_Set2	1.883	0	0	288.294	0.000	0.040	4
M_2_F_lph_Set2	1.885	0	0	288.294	0.000	0.040	4
M_2_F_qph_Set2	1.884	0	0	288.294	0.000	0.040	4
M_2_F_lqph_Set2	1.884	0	0	288.294	0.000	0.040	4
M_0.8_F_p_Set2	1.814	0	0	288.328	0.034	0.039	2
M_0.8_F_lp_Set2	1.815	0	0	288.328	0.034	0.039	2
M_0.9_F_p_Set2	1.818	0	0	288.566	0.272	0.035	2
M_0.9_F_lp_Set2	1.814	0	0	288.566	0.272	0.035	2
M_1_F_p_Set2	1.804	0	0	288.830	0.536	0.030	2
M_1_F_lp_Set2	1.808	0	0	288.830	0.536	0.030	2
M_1_F_h_Set2	1.908	0	0	289.932	1.638	0.017	5

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.

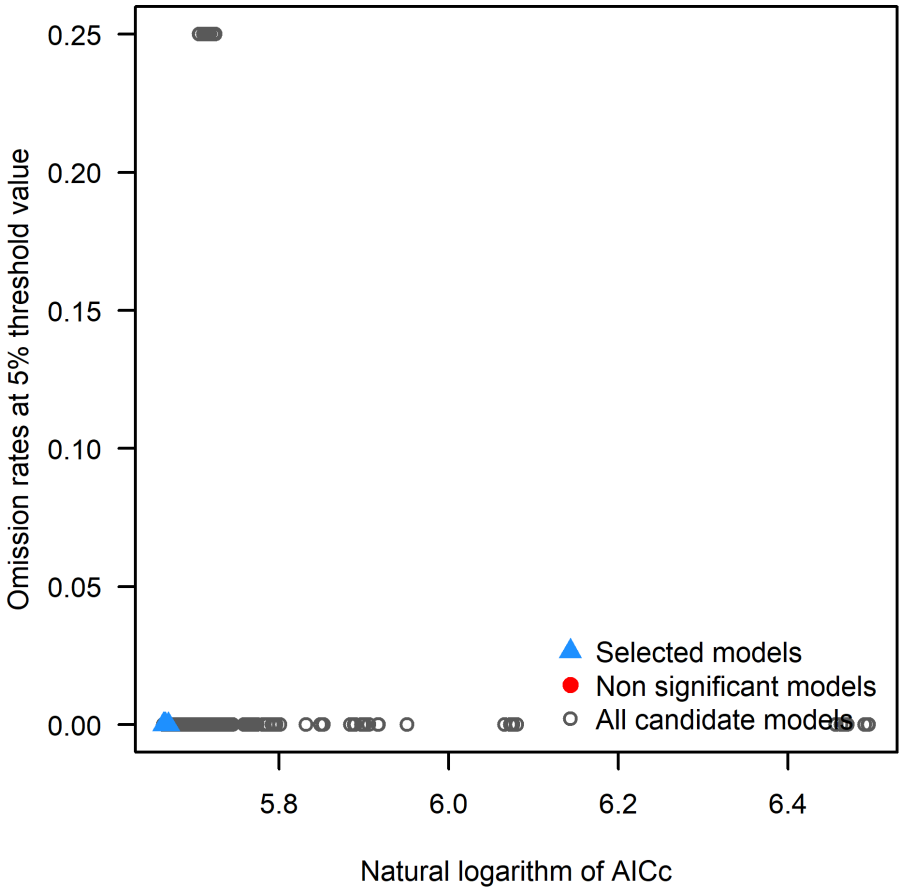

Figure 1. Distribution of all models, non-statistically significant models, and selected models in terms of the user's pre-defined criteria.

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	1.822	0	0.00	308.446	20.152	0.000	7
M_0.1_F_l_Set2	1.823	0	0.00	294.581	6.287	0.000	4
M_0.1_F_q_Set1	1.899	0	0.00	308.005	19.711	0.000	7
M_0.1_F_q_Set2	1.870	0	0.00	292.416	4.122	0.000	4
M_0.1_F_p_Set1	1.870	0	0.00	NA	NA	NA	15
M_0.1_F_p_Set2	1.856	0	0.00	293.588	5.294	0.000	5
M_0.1_F_t_Set1	1.795	0	1.00	NA	NA	NA	73
M_0.1_F_t_Set2	1.576	0	1.00	NA	NA	NA	62
M_0.1_F_h_Set1	1.816	0	0.25	NA	NA	NA	121
M_0.1_F_h_Set2	1.864	0	0.25	NA	NA	NA	76

M_0.1_F_lq_Set1	1.918	0	0.00	341.084	52.790	0.000	10
M_0.1_F_lq_Set2	1.885	0	0.00	306.263	17.969	0.000	7
M_0.1_F_lp_Set1	1.873	0	0.00	NA	NA	NA	16
M_0.1_F_lp_Set2	1.858	0	0.00	306.010	17.716	0.000	7
M_0.1_F_lt_Set1	1.800	0	1.00	NA	NA	NA	73
M_0.1_F_lt_Set2	1.570	0	1.00	NA	NA	NA	62
M_0.1_F_lh_Set1	1.810	0	0.25	NA	NA	NA	121
M_0.1_F_lh_Set2	1.861	0	0.25	NA	NA	NA	76
M_0.1_F_qp_Set1	1.841	0	0.00	371.518	83.224	0.000	11
M_0.1_F_qp_Set2	1.867	0	0.00	297.895	9.602	0.000	6
M_0.1_F_qt_Set1	1.767	0	1.00	NA	NA	NA	76
M_0.1_F_qt_Set2	1.577	0	1.00	NA	NA	NA	62
M_0.1_F_qh_Set1	1.805	0	0.25	NA	NA	NA	126
M_0.1_F_qh_Set2	1.863	0	0.25	NA	NA	NA	76
M_0.1_F_pt_Set1	1.797	0	1.00	NA	NA	NA	73
M_0.1_F_pt_Set2	1.581	0	1.00	NA	NA	NA	62
M_0.1_F_ph_Set1	1.812	0	0.25	NA	NA	NA	117
M_0.1_F_ph_Set2	1.868	0	0.25	NA	NA	NA	72
M_0.1_F_th_Set1	1.746	0	1.00	NA	NA	NA	86
M_0.1_F_th_Set2	1.534	0	1.00	NA	NA	NA	68
M_0.1_F_lqp_Set1	1.818	0	0.25	NA	NA	NA	16
M_0.1_F_lqp_Set2	1.870	0	0.00	325.921	37.627	0.000	9
M_0.1_F_lqt_Set1	1.768	0	1.00	NA	NA	NA	76
M_0.1_F_lqt_Set2	1.578	0	1.00	NA	NA	NA	62
M_0.1_F_lqh_Set1	1.810	0	0.25	NA	NA	NA	126
M_0.1_F_lqh_Set2	1.873	0	0.25	NA	NA	NA	76
M_0.1_F_lpt_Set1	1.798	0	1.00	NA	NA	NA	73
M_0.1_F_lpt_Set2	1.566	0	1.00	NA	NA	NA	62
M_0.1_F_lph_Set1	1.807	0	0.25	NA	NA	NA	117
M_0.1_F_lph_Set2	1.873	0	0.25	NA	NA	NA	72
M_0.1_F_lth_Set1	1.747	0	1.00	NA	NA	NA	86
M_0.1_F_lth_Set2	1.533	0	1.00	NA	NA	NA	68
M_0.1_F_qpt_Set1	1.786	0	1.00	NA	NA	NA	74
M_0.1_F_qpt_Set2	1.577	0	1.00	NA	NA	NA	62

M_0.1_F_qph_Set1	1.811	0	0.25	NA	NA	NA	131
M_0.1_F_qph_Set2	1.869	0	0.25	NA	NA	NA	73
M_0.1_F_qth_Set1	1.753	0	1.00	NA	NA	NA	87
M_0.1_F_qth_Set2	1.555	0	1.00	NA	NA	NA	68
M_0.1_F_pth_Set1	1.748	0	1.00	NA	NA	NA	86
M_0.1_F_pth_Set2	1.528	0	1.00	NA	NA	NA	68
M_0.1_F_lqpt_Set1	1.777	0	1.00	NA	NA	NA	74
M_0.1_F_lqpt_Set2	1.575	0	1.00	NA	NA	NA	62
M_0.1_F_lqph_Set1	1.815	0	0.25	NA	NA	NA	131
M_0.1_F_lqph_Set2	1.866	0	0.25	NA	NA	NA	73
M_0.1_F_lqth_Set1	1.751	0	1.00	NA	NA	NA	87
M_0.1_F_lqth_Set2	1.550	0	1.00	NA	NA	NA	68
M_0.1_F_lpth_Set1	1.753	0	1.00	NA	NA	NA	86
M_0.1_F_lpth_Set2	1.554	0	1.00	NA	NA	NA	68
M_0.1_F_qpth_Set1	1.756	0	1.00	NA	NA	NA	92
M_0.1_F_qpth_Set2	1.542	0	1.00	NA	NA	NA	68
M_0.1_F_lqpth_Set1	1.757	0	1.00	NA	NA	NA	92
M_0.1_F_lqpth_Set2	1.531	0	1.00	NA	NA	NA	68
M_0.2_F_l_Set1	1.792	0	0.00	304.450	16.156	0.000	6
M_0.2_F_l_Set2	1.822	0	0.00	295.351	7.057	0.000	4
M_0.2_F_q_Set1	1.903	0	0.00	308.301	20.007	0.000	7
M_0.2_F_q_Set2	1.866	0	0.00	292.550	4.256	0.000	4
M_0.2_F_p_Set1	1.871	0	0.00	384.196	95.902	0.000	11
M_0.2_F_p_Set2	1.836	0	0.00	301.855	13.561	0.000	6
M_0.2_F_t_Set1	1.848	0	1.00	NA	NA	NA	61
M_0.2_F_t_Set2	1.695	0	1.00	NA	NA	NA	43
M_0.2_F_h_Set1	1.830	0	0.25	NA	NA	NA	103
M_0.2_F_h_Set2	1.876	0	0.25	NA	NA	NA	119
M_0.2_F_lq_Set1	1.919	0	0.00	348.059	59.765	0.000	10
M_0.2_F_lq_Set2	1.872	0	0.00	308.489	20.195	0.000	7
M_0.2_F_lp_Set1	1.866	0	0.00	327.724	39.430	0.000	9
M_0.2_F_lp_Set2	1.839	0	0.00	301.920	13.626	0.000	6
M_0.2_F_lt_Set1	1.854	0	1.00	NA	NA	NA	61
M_0.2_F_lt_Set2	1.710	0	1.00	NA	NA	NA	43

M_0.2_F_lh_Set1	1.825	0	0.25	NA	NA	NA	103
M_0.2_F_lh_Set2	1.874	0	0.25	NA	NA	NA	119
M_0.2_F_qp_Set1	1.890	0	0.00	324.203	35.909	0.000	9
M_0.2_F_qp_Set2	1.853	0	0.00	295.414	7.120	0.000	5
M_0.2_F_qt_Set1	1.847	0	1.00	NA	NA	NA	66
M_0.2_F_qt_Set2	1.688	0	1.00	NA	NA	NA	44
M_0.2_F_qh_Set1	1.835	0	0.25	NA	NA	NA	109
M_0.2_F_qh_Set2	1.874	0	0.25	NA	NA	NA	119
M_0.2_F_pt_Set1	1.853	0	1.00	NA	NA	NA	61
M_0.2_F_pt_Set2	1.698	0	1.00	NA	NA	NA	43
M_0.2_F_ph_Set1	1.817	0	0.25	NA	NA	NA	117
M_0.2_F_ph_Set2	1.873	0	0.25	NA	NA	NA	109
M_0.2_F_th_Set1	1.834	0	1.00	NA	NA	NA	95
M_0.2_F_th_Set2	1.720	0	1.00	NA	NA	NA	47
M_0.2_F_lqp_Set1	1.891	0	0.00	324.207	35.913	0.000	9
M_0.2_F_lqp_Set2	1.853	0	0.00	290.748	2.454	0.000	4
M_0.2_F_lqt_Set1	1.848	0	1.00	NA	NA	NA	66
M_0.2_F_lqt_Set2	1.696	0	1.00	NA	NA	NA	44
M_0.2_F_lqh_Set1	1.832	0	0.25	NA	NA	NA	109
M_0.2_F_lqh_Set2	1.874	0	0.25	NA	NA	NA	113
M_0.2_F_lpt_Set1	1.851	0	1.00	NA	NA	NA	61
M_0.2_F_lpt_Set2	1.695	0	1.00	NA	NA	NA	43
M_0.2_F_lph_Set1	1.822	0	0.25	NA	NA	NA	117
M_0.2_F_lph_Set2	1.874	0	0.25	NA	NA	NA	109
M_0.2_F_lth_Set1	1.837	0	1.00	NA	NA	NA	95
M_0.2_F_lth_Set2	1.715	0	1.00	NA	NA	NA	47
M_0.2_F_qpt_Set1	1.848	0	1.00	NA	NA	NA	63
M_0.2_F_qpt_Set2	1.703	0	1.00	NA	NA	NA	43
M_0.2_F_qph_Set1	1.841	0	0.25	NA	NA	NA	93
M_0.2_F_qph_Set2	1.877	0	0.25	NA	NA	NA	119
M_0.2_F_qth_Set1	1.819	0	1.00	NA	NA	NA	90
M_0.2_F_qth_Set2	1.713	0	1.00	NA	NA	NA	47
M_0.2_F_pth_Set1	1.832	0	1.00	NA	NA	NA	95
M_0.2_F_pth_Set2	1.730	0	1.00	NA	NA	NA	47

M_0.2_F_lqpt_Set1	1.845	0	1.00	NA	NA	NA	63
M_0.2_F_lqpt_Set2	1.710	0	1.00	NA	NA	NA	43
M_0.2_F_lqph_Set1	1.835	0	0.25	NA	NA	NA	93
M_0.2_F_lqph_Set2	1.876	0	0.25	NA	NA	NA	120
M_0.2_F_lqth_Set1	1.819	0	1.00	NA	NA	NA	90
M_0.2_F_lqth_Set2	1.721	0	1.00	NA	NA	NA	47
M_0.2_F_lpth_Set1	1.832	0	1.00	NA	NA	NA	95
M_0.2_F_lpth_Set2	1.721	0	1.00	NA	NA	NA	47
M_0.2_F_qpth_Set1	1.821	0	1.00	NA	NA	NA	93
M_0.2_F_qpth_Set2	1.720	0	1.00	NA	NA	NA	47
M_0.2_F_lqpth_Set1	1.823	0	1.00	NA	NA	NA	93
M_0.2_F_lqpth_Set2	1.714	0	1.00	NA	NA	NA	47
M_0.3_F_l_Set1	1.776	0	0.00	305.842	17.548	0.000	6
M_0.3_F_l_Set2	1.803	0	0.00	296.473	8.179	0.000	4
M_0.3_F_q_Set1	1.885	0	0.00	308.738	20.444	0.000	7
M_0.3_F_q_Set2	1.847	0	0.00	292.747	4.453	0.000	4
M_0.3_F_p_Set1	1.852	0	0.00	307.819	19.525	0.000	7
M_0.3_F_p_Set2	1.825	0	0.00	297.086	8.792	0.000	5
M_0.3_F_t_Set1	1.852	0	1.00	NA	NA	NA	51
M_0.3_F_t_Set2	1.803	0	0.50	NA	NA	NA	30
M_0.3_F_h_Set1	1.860	0	0.25	NA	NA	NA	102
M_0.3_F_h_Set2	1.889	0	0.00	NA	NA	NA	83
M_0.3_F_lq_Set1	1.904	0	0.00	330.677	42.383	0.000	9
M_0.3_F_lq_Set2	1.867	0	0.00	301.938	13.644	0.000	6
M_0.3_F_lp_Set1	1.855	0	0.00	317.060	28.766	0.000	8
M_0.3_F_lp_Set2	1.824	0	0.00	296.826	8.532	0.000	5
M_0.3_F_lt_Set1	1.850	0	1.00	NA	NA	NA	51
M_0.3_F_lt_Set2	1.805	0	0.50	NA	NA	NA	30
M_0.3_F_lh_Set1	1.867	0	0.25	NA	NA	NA	102
M_0.3_F_lh_Set2	1.886	0	0.00	NA	NA	NA	79
M_0.3_F_qp_Set1	1.870	0	0.00	328.476	40.182	0.000	9
M_0.3_F_qp_Set2	1.836	0	0.00	295.960	7.666	0.000	5
M_0.3_F_qt_Set1	1.821	0	0.75	NA	NA	NA	54
M_0.3_F_qt_Set2	1.799	0	0.50	NA	NA	NA	30

M_0.3_F_qh_Set1	1.873	0	0.25	NA	NA	NA	107
M_0.3_F_qh_Set2	1.879	0	0.00	NA	NA	NA	90
M_0.3_F_pt_Set1	1.850	0	1.00	NA	NA	NA	51
M_0.3_F_pt_Set2	1.793	0	0.50	NA	NA	NA	30
M_0.3_F_ph_Set1	1.875	0	0.25	NA	NA	NA	91
M_0.3_F_ph_Set2	1.877	0	0.00	NA	NA	NA	95
M_0.3_F_th_Set1	1.838	0	1.00	NA	NA	NA	77
M_0.3_F_th_Set2	1.789	0	0.50	NA	NA	NA	56
M_0.3_F_lqp_Set1	1.878	0	0.00	328.472	40.178	0.000	9
M_0.3_F_lqp_Set2	1.846	0	0.00	295.960	7.666	0.000	5
M_0.3_F_lqt_Set1	1.818	0	0.75	NA	NA	NA	54
M_0.3_F_lqt_Set2	1.803	0	0.50	NA	NA	NA	30
M_0.3_F_lqh_Set1	1.859	0	0.25	NA	NA	NA	107
M_0.3_F_lqh_Set2	1.877	0	0.00	NA	NA	NA	71
M_0.3_F_lpt_Set1	1.852	0	1.00	NA	NA	NA	51
M_0.3_F_lpt_Set2	1.797	0	0.50	NA	NA	NA	30
M_0.3_F_lph_Set1	1.859	0	0.25	NA	NA	NA	91
M_0.3_F_lph_Set2	1.890	0	0.00	NA	NA	NA	95
M_0.3_F_lth_Set1	1.840	0	1.00	NA	NA	NA	77
M_0.3_F_lth_Set2	1.801	0	0.50	NA	NA	NA	56
M_0.3_F_qpt_Set1	1.836	0	0.75	NA	NA	NA	54
M_0.3_F_qpt_Set2	1.802	0	0.50	NA	NA	NA	30
M_0.3_F_qph_Set1	1.879	0	0.25	NA	NA	NA	105
M_0.3_F_qph_Set2	1.878	0	0.00	NA	NA	NA	90
M_0.3_F_qth_Set1	1.836	0	1.00	NA	NA	NA	74
M_0.3_F_qth_Set2	1.801	0	0.50	NA	NA	NA	56
M_0.3_F_pth_Set1	1.843	0	1.00	NA	NA	NA	77
M_0.3_F_pth_Set2	1.792	0	0.50	NA	NA	NA	56
M_0.3_F_lqpt_Set1	1.839	0	0.75	NA	NA	NA	54
M_0.3_F_lqpt_Set2	1.797	0	0.50	NA	NA	NA	30
M_0.3_F_lqph_Set1	1.871	0	0.25	NA	NA	NA	105
M_0.3_F_lqph_Set2	1.887	0	0.00	NA	NA	NA	90
M_0.3_F_lqth_Set1	1.832	0	1.00	NA	NA	NA	74
M_0.3_F_lqth_Set2	1.787	0	0.50	NA	NA	NA	56

M_0.3_F_lpth_Set1	1.845	0	1.00	NA	NA	NA	77
M_0.3_F_lpth_Set2	1.791	0	0.50	NA	NA	NA	56
M_0.3_F_qpth_Set1	1.837	0	1.00	NA	NA	NA	76
M_0.3_F_qpth_Set2	1.792	0	0.50	NA	NA	NA	56
M_0.3_F_lqpth_Set1	1.842	0	1.00	NA	NA	NA	76
M_0.3_F_lqpth_Set2	1.791	0	0.50	NA	NA	NA	56
M_0.4_F_l_Set1	1.773	0	0.00	301.532	13.238	0.000	5
M_0.4_F_l_Set2	1.807	0	0.00	297.880	9.586	0.000	4
M_0.4_F_q_Set1	1.857	0	0.00	309.282	20.988	0.000	7
M_0.4_F_q_Set2	1.832	0	0.00	292.999	4.705	0.000	4
M_0.4_F_p_Set1	1.842	0	0.00	301.811	13.517	0.000	6
M_0.4_F_p_Set2	1.827	0	0.00	293.515	5.221	0.000	4
M_0.4_F_t_Set1	1.820	0	0.50	NA	NA	NA	36
M_0.4_F_t_Set2	1.808	0	0.50	NA	NA	NA	24
M_0.4_F_h_Set1	1.893	0	0.00	NA	NA	NA	69
M_0.4_F_h_Set2	1.893	0	0.00	NA	NA	NA	59
M_0.4_F_lq_Set1	1.894	0	0.00	317.652	29.358	0.000	8
M_0.4_F_lq_Set2	1.851	0	0.00	296.804	8.510	0.000	5
M_0.4_F_lp_Set1	1.847	0	0.00	301.646	13.352	0.000	6
M_0.4_F_lp_Set2	1.829	0	0.00	297.640	9.346	0.000	5
M_0.4_F_lt_Set1	1.815	0	0.50	NA	NA	NA	36
M_0.4_F_lt_Set2	1.819	0	0.50	NA	NA	NA	24
M_0.4_F_lh_Set1	1.896	0	0.00	NA	NA	NA	62
M_0.4_F_lh_Set2	1.890	0	0.00	NA	NA	NA	59
M_0.4_F_qp_Set1	1.866	0	0.00	299.393	11.099	0.000	6
M_0.4_F_qp_Set2	1.834	0	0.00	296.671	8.377	0.000	5
M_0.4_F_qt_Set1	1.822	0	0.50	NA	NA	NA	35
M_0.4_F_qt_Set2	1.812	0	0.50	NA	NA	NA	24
M_0.4_F_qh_Set1	1.902	0	0.00	NA	NA	NA	61
M_0.4_F_qh_Set2	1.893	0	0.00	NA	NA	NA	61
M_0.4_F_pt_Set1	1.814	0	0.50	NA	NA	NA	36
M_0.4_F_pt_Set2	1.811	0	0.50	NA	NA	NA	24
M_0.4_F_ph_Set1	1.893	0	0.00	NA	NA	NA	57
M_0.4_F_ph_Set2	1.888	0	0.00	NA	NA	NA	61

M_0.4_F_th_Set1	1.816	0	0.50	NA	NA	NA	59
M_0.4_F_th_Set2	1.815	0	0.50	NA	NA	NA	35
M_0.4_F_lqp_Set1	1.867	0	0.00	299.399	11.105	0.000	6
M_0.4_F_lqp_Set2	1.832	0	0.00	296.671	8.377	0.000	5
M_0.4_F_lqt_Set1	1.821	0	0.50	NA	NA	NA	35
M_0.4_F_lqt_Set2	1.817	0	0.50	NA	NA	NA	24
M_0.4_F_lqh_Set1	1.896	0	0.00	NA	NA	NA	57
M_0.4_F_lqh_Set2	1.892	0	0.00	NA	NA	NA	69
M_0.4_F_lpt_Set1	1.813	0	0.50	NA	NA	NA	36
M_0.4_F_lpt_Set2	1.817	0	0.50	NA	NA	NA	24
M_0.4_F_lph_Set1	1.897	0	0.00	NA	NA	NA	57
M_0.4_F_lph_Set2	1.889	0	0.00	NA	NA	NA	61
M_0.4_F_lth_Set1	1.824	0	0.50	NA	NA	NA	59
M_0.4_F_lth_Set2	1.816	0	0.50	NA	NA	NA	35
M_0.4_F_qpt_Set1	1.818	0	0.50	NA	NA	NA	38
M_0.4_F_qpt_Set2	1.809	0	0.50	NA	NA	NA	24
M_0.4_F_qph_Set1	1.892	0	0.00	NA	NA	NA	58
M_0.4_F_qph_Set2	1.888	0	0.00	NA	NA	NA	62
M_0.4_F_qth_Set1	1.822	0	0.50	NA	NA	NA	68
M_0.4_F_qth_Set2	1.817	0	0.50	NA	NA	NA	35
M_0.4_F_pth_Set1	1.822	0	0.50	NA	NA	NA	59
M_0.4_F_pth_Set2	1.816	0	0.50	NA	NA	NA	35
M_0.4_F_lqpt_Set1	1.817	0	0.50	NA	NA	NA	38
M_0.4_F_lqpt_Set2	1.812	0	0.50	NA	NA	NA	24
M_0.4_F_lqph_Set1	1.905	0	0.00	NA	NA	NA	58
M_0.4_F_lqph_Set2	1.890	0	0.00	NA	NA	NA	62
M_0.4_F_lqth_Set1	1.820	0	0.50	NA	NA	NA	68
M_0.4_F_lqth_Set2	1.810	0	0.50	NA	NA	NA	35
M_0.4_F_lpth_Set1	1.827	0	0.50	NA	NA	NA	59
M_0.4_F_lpth_Set2	1.815	0	0.50	NA	NA	NA	35
M_0.4_F_qpth_Set1	1.817	0	0.50	NA	NA	NA	65
M_0.4_F_qpth_Set2	1.810	0	0.50	NA	NA	NA	35
M_0.4_F_lqpth_Set1	1.817	0	0.50	NA	NA	NA	65
M_0.4_F_lqpth_Set2	1.812	0	0.50	NA	NA	NA	35

M_0.5_F_l_Set1	1.786	0	0.00	302.429	14.135	0.000	5
M_0.5_F_l_Set2	1.795	0	0.00	294.250	5.956	0.000	3
M_0.5_F_q_Set1	1.826	0	0.00	309.907	21.613	0.000	7
M_0.5_F_q_Set2	1.835	0	0.00	293.299	5.005	0.000	4
M_0.5_F_p_Set1	1.841	0	0.00	297.130	8.836	0.000	5
M_0.5_F_p_Set2	1.825	0	0.00	294.012	5.718	0.000	4
M_0.5_F_t_Set1	1.800	0	0.25	NA	NA	NA	25
M_0.5_F_t_Set2	1.811	0	0.00	NA	NA	NA	18
M_0.5_F_h_Set1	1.917	0	0.00	NA	NA	NA	61
M_0.5_F_h_Set2	1.894	0	0.00	NA	NA	NA	64
M_0.5_F_lq_Set1	1.871	0	0.00	318.211	29.917	0.000	8
M_0.5_F_lq_Set2	1.847	0	0.00	297.102	8.808	0.000	5
M_0.5_F_lp_Set1	1.836	0	0.00	296.584	8.290	0.000	5
M_0.5_F_lp_Set2	1.820	0	0.00	298.553	10.259	0.000	5
M_0.5_F_lt_Set1	1.811	0	0.25	NA	NA	NA	25
M_0.5_F_lt_Set2	1.808	0	0.00	NA	NA	NA	18
M_0.5_F_lh_Set1	1.921	0	0.00	NA	NA	NA	56
M_0.5_F_lh_Set2	1.894	0	0.00	NA	NA	NA	56
M_0.5_F_qp_Set1	1.857	0	0.00	300.519	12.225	0.000	6
M_0.5_F_qp_Set2	1.822	0	0.00	297.501	9.207	0.000	5
M_0.5_F_qt_Set1	1.804	0	0.25	NA	NA	NA	26
M_0.5_F_qt_Set2	1.802	0	0.00	NA	NA	NA	18
M_0.5_F_qh_Set1	1.905	0	0.00	NA	NA	NA	63
M_0.5_F_qh_Set2	1.895	0	0.00	NA	NA	NA	54
M_0.5_F_pt_Set1	1.809	0	0.25	NA	NA	NA	25
M_0.5_F_pt_Set2	1.810	0	0.00	NA	NA	NA	18
M_0.5_F_ph_Set1	1.914	0	0.00	NA	NA	NA	62
M_0.5_F_ph_Set2	1.896	0	0.00	NA	NA	NA	64
M_0.5_F_th_Set1	1.839	0	0.50	NA	NA	NA	48
M_0.5_F_th_Set2	1.806	0	0.00	NA	NA	NA	32
M_0.5_F_lqp_Set1	1.855	0	0.00	300.522	12.228	0.000	6
M_0.5_F_lqp_Set2	1.822	0	0.00	297.488	9.194	0.000	5
M_0.5_F_lqt_Set1	1.801	0	0.25	NA	NA	NA	26
M_0.5_F_lqt_Set2	1.803	0	0.00	NA	NA	NA	18

M_0.5_F_lqh_Set1	1.902	0	0.00	NA	NA	NA	56
M_0.5_F_lqh_Set2	1.889	0	0.00	NA	NA	NA	54
M_0.5_F_lpt_Set1	1.815	0	0.25	NA	NA	NA	25
M_0.5_F_lpt_Set2	1.800	0	0.00	NA	NA	NA	18
M_0.5_F_lph_Set1	1.915	0	0.00	NA	NA	NA	64
M_0.5_F_lph_Set2	1.893	0	0.00	NA	NA	NA	64
M_0.5_F_lth_Set1	1.841	0	0.50	NA	NA	NA	48
M_0.5_F_lth_Set2	1.807	0	0.00	NA	NA	NA	32
M_0.5_F_qpt_Set1	1.809	0	0.25	NA	NA	NA	27
M_0.5_F_qpt_Set2	1.806	0	0.00	NA	NA	NA	18
M_0.5_F_qph_Set1	1.904	0	0.00	NA	NA	NA	65
M_0.5_F_qph_Set2	1.897	0	0.00	NA	NA	NA	64
M_0.5_F_qth_Set1	1.824	0	0.50	NA	NA	NA	43
M_0.5_F_qth_Set2	1.798	0	0.00	NA	NA	NA	32
M_0.5_F_pth_Set1	1.844	0	0.50	NA	NA	NA	48
M_0.5_F_pth_Set2	1.807	0	0.00	NA	NA	NA	32
M_0.5_F_lqpt_Set1	1.802	0	0.25	NA	NA	NA	27
M_0.5_F_lqpt_Set2	1.802	0	0.00	NA	NA	NA	18
M_0.5_F_lqph_Set1	1.910	0	0.00	NA	NA	NA	61
M_0.5_F_lqph_Set2	1.896	0	0.00	NA	NA	NA	64
M_0.5_F_lqth_Set1	1.838	0	0.50	NA	NA	NA	43
M_0.5_F_lqth_Set2	1.805	0	0.00	NA	NA	NA	33
M_0.5_F_lpth_Set1	1.842	0	0.50	NA	NA	NA	48
M_0.5_F_lpth_Set2	1.809	0	0.00	NA	NA	NA	32
M_0.5_F_qpth_Set1	1.837	0	0.50	NA	NA	NA	44
M_0.5_F_qpth_Set2	1.809	0	0.00	NA	NA	NA	32
M_0.5_F_lqpth_Set1	1.833	0	0.50	NA	NA	NA	44
M_0.5_F_lqpth_Set2	1.811	0	0.00	NA	NA	NA	32
M_0.6_F_l_Set1	1.791	0	0.00	294.366	6.072	0.000	3
M_0.6_F_l_Set2	1.800	0	0.00	294.438	6.144	0.000	3
M_0.6_F_q_Set1	1.817	0	0.00	310.598	22.304	0.000	7
M_0.6_F_q_Set2	1.818	0	0.00	293.642	5.348	0.000	4
M_0.6_F_p_Set1	1.835	0	0.00	303.377	15.083	0.000	6
M_0.6_F_p_Set2	1.823	0	0.00	294.608	6.314	0.000	4

M_0.6_F_t_Set1	1.802	0	0.00	NA	NA	NA	19
M_0.6_F_t_Set2	1.801	0	0.00	NA	NA	NA	14
M_0.6_F_h_Set1	1.926	0	0.00	NA	NA	NA	57
M_0.6_F_h_Set2	1.899	0	0.00	NA	NA	NA	31
M_0.6_F_lq_Set1	1.835	0	0.00	318.833	30.539	0.000	8
M_0.6_F_lq_Set2	1.825	0	0.00	297.443	9.149	0.000	5
M_0.6_F_lp_Set1	1.832	0	0.00	310.627	22.333	0.000	7
M_0.6_F_lp_Set2	1.821	0	0.00	294.562	6.268	0.000	4
M_0.6_F_lt_Set1	1.806	0	0.00	NA	NA	NA	19
M_0.6_F_lt_Set2	1.804	0	0.00	NA	NA	NA	14
M_0.6_F_lh_Set1	1.929	0	0.00	NA	NA	NA	49
M_0.6_F_lh_Set2	1.903	0	0.00	NA	NA	NA	31
M_0.6_F_qp_Set1	1.851	0	0.00	319.298	31.004	0.000	8
M_0.6_F_qp_Set2	1.821	0	0.00	293.279	4.985	0.000	4
M_0.6_F_qt_Set1	1.823	0	0.00	NA	NA	NA	20
M_0.6_F_qt_Set2	1.806	0	0.00	NA	NA	NA	14
M_0.6_F_qh_Set1	1.907	0	0.00	NA	NA	NA	61
M_0.6_F_qh_Set2	1.901	0	0.00	NA	NA	NA	30
M_0.6_F_pt_Set1	1.804	0	0.00	NA	NA	NA	19
M_0.6_F_pt_Set2	1.806	0	0.00	NA	NA	NA	14
M_0.6_F_ph_Set1	1.933	0	0.00	NA	NA	NA	48
M_0.6_F_ph_Set2	1.906	0	0.00	NA	NA	NA	28
M_0.6_F_th_Set1	1.834	0	0.00	NA	NA	NA	27
M_0.6_F_th_Set2	1.814	0	0.00	NA	NA	NA	23
M_0.6_F_lqp_Set1	1.849	0	0.00	319.305	31.011	0.000	8
M_0.6_F_lqp_Set2	1.811	0	0.00	293.276	4.982	0.000	4
M_0.6_F_lqt_Set1	1.808	0	0.00	NA	NA	NA	20
M_0.6_F_lqt_Set2	1.803	0	0.00	NA	NA	NA	14
M_0.6_F_lqh_Set1	1.910	0	0.00	NA	NA	NA	65
M_0.6_F_lqh_Set2	1.901	0	0.00	NA	NA	NA	28
M_0.6_F_lpt_Set1	1.808	0	0.00	NA	NA	NA	19
M_0.6_F_lpt_Set2	1.797	0	0.00	NA	NA	NA	14
M_0.6_F_lph_Set1	1.929	0	0.00	NA	NA	NA	48
M_0.6_F_lph_Set2	1.903	0	0.00	NA	NA	NA	29

M_0.6_F_lth_Set1	1.838	0	0.00	NA	NA	NA	27
M_0.6_F_lth_Set2	1.809	0	0.00	NA	NA	NA	23
M_0.6_F_qpt_Set1	1.810	0	0.00	NA	NA	NA	21
M_0.6_F_qpt_Set2	1.806	0	0.00	NA	NA	NA	14
M_0.6_F_qph_Set1	1.914	0	0.00	NA	NA	NA	57
M_0.6_F_qph_Set2	1.903	0	0.00	NA	NA	NA	31
M_0.6_F_qth_Set1	1.833	0	0.25	NA	NA	NA	34
M_0.6_F_qth_Set2	1.815	0	0.00	NA	NA	NA	23
M_0.6_F_pth_Set1	1.842	0	0.00	NA	NA	NA	27
M_0.6_F_pth_Set2	1.803	0	0.00	NA	NA	NA	23
M_0.6_F_lqpt_Set1	1.814	0	0.00	NA	NA	NA	21
M_0.6_F_lqpt_Set2	1.806	0	0.00	NA	NA	NA	14
M_0.6_F_lqph_Set1	1.918	0	0.00	NA	NA	NA	49
M_0.6_F_lqph_Set2	1.906	0	0.00	NA	NA	NA	35
M_0.6_F_lqth_Set1	1.840	0	0.25	NA	NA	NA	34
M_0.6_F_lqth_Set2	1.812	0	0.00	NA	NA	NA	25
M_0.6_F_lpth_Set1	1.837	0	0.00	NA	NA	NA	27
M_0.6_F_lpth_Set2	1.810	0	0.00	NA	NA	NA	23
M_0.6_F_qpth_Set1	1.841	0	0.25	NA	NA	NA	30
M_0.6_F_qpth_Set2	1.814	0	0.00	NA	NA	NA	23
M_0.6_F_lqpth_Set1	1.834	0	0.25	NA	NA	NA	30
M_0.6_F_lqpth_Set2	1.810	0	0.00	NA	NA	NA	23
M_0.7_F_l_Set1	1.776	0	0.00	294.492	6.198	0.000	3
M_0.7_F_l_Set2	1.803	0	0.00	294.646	6.352	0.000	3
M_0.7_F_q_Set1	1.811	0	0.00	311.355	23.061	0.000	7
M_0.7_F_q_Set2	1.818	0	0.00	294.025	5.731	0.000	4
M_0.7_F_p_Set1	1.835	0	0.00	311.587	23.293	0.000	7
M_0.7_F_p_Set2	1.818	0	0.00	291.203	2.909	0.000	3
M_0.7_F_t_Set1	1.780	0	0.00	NA	NA	NA	17
M_0.7_F_t_Set2	1.808	0	0.00	324.329	36.035	0.000	10
M_0.7_F_h_Set1	1.930	0	0.00	NA	NA	NA	33
M_0.7_F_h_Set2	1.906	0	0.00	NA	NA	NA	21
M_0.7_F_lq_Set1	1.810	0	0.00	319.504	31.210	0.000	8
M_0.7_F_lq_Set2	1.830	0	0.00	297.826	9.532	0.000	5

M_0.7_F_lp_Set1	1.838	0	0.00	311.515	23.221	0.000	7
M_0.7_F_lp_Set2	1.812	0	0.00	291.203	2.909	0.000	3
M_0.7_F_lt_Set1	1.783	0	0.00	NA	NA	NA	17
M_0.7_F_lt_Set2	1.799	0	0.00	324.329	36.035	0.000	10
M_0.7_F_lh_Set1	1.935	0	0.00	NA	NA	NA	35
M_0.7_F_lh_Set2	1.907	0	0.00	NA	NA	NA	22
M_0.7_F_qp_Set1	1.836	0	0.00	310.517	22.223	0.000	7
M_0.7_F_qp_Set2	1.816	0	0.00	293.731	5.437	0.000	4
M_0.7_F_qt_Set1	1.810	0	0.00	NA	NA	NA	17
M_0.7_F_qt_Set2	1.800	0	0.00	324.329	36.035	0.000	10
M_0.7_F_qh_Set1	1.916	0	0.00	NA	NA	NA	39
M_0.7_F_qh_Set2	1.907	0	0.00	NA	NA	NA	23
M_0.7_F_pt_Set1	1.783	0	0.00	NA	NA	NA	17
M_0.7_F_pt_Set2	1.811	0	0.00	324.329	36.035	0.000	10
M_0.7_F_ph_Set1	1.933	0	0.00	NA	NA	NA	35
M_0.7_F_ph_Set2	1.904	0	0.00	NA	NA	NA	20
M_0.7_F_th_Set1	1.824	0	0.00	NA	NA	NA	29
M_0.7_F_th_Set2	1.820	0	0.00	NA	NA	NA	17
M_0.7_F_lqp_Set1	1.833	0	0.00	310.489	22.195	0.000	7
M_0.7_F_lqp_Set2	1.819	0	0.00	293.734	5.440	0.000	4
M_0.7_F_lqt_Set1	1.797	0	0.00	NA	NA	NA	17
M_0.7_F_lqt_Set2	1.820	0	0.00	359.371	71.077	0.000	11
M_0.7_F_lqh_Set1	1.917	0	0.00	NA	NA	NA	37
M_0.7_F_lqh_Set2	1.908	0	0.00	NA	NA	NA	24
M_0.7_F_lpt_Set1	1.779	0	0.00	NA	NA	NA	17
M_0.7_F_lpt_Set2	1.809	0	0.00	324.329	36.035	0.000	10
M_0.7_F_lph_Set1	1.933	0	0.00	NA	NA	NA	35
M_0.7_F_lph_Set2	1.911	0	0.00	NA	NA	NA	19
M_0.7_F_lth_Set1	1.830	0	0.00	NA	NA	NA	29
M_0.7_F_lth_Set2	1.820	0	0.00	NA	NA	NA	17
M_0.7_F_qpt_Set1	1.791	0	0.00	NA	NA	NA	17
M_0.7_F_qpt_Set2	1.814	0	0.00	324.329	36.035	0.000	10
M_0.7_F_qph_Set1	1.933	0	0.00	NA	NA	NA	46
M_0.7_F_qph_Set2	1.906	0	0.00	NA	NA	NA	26

M_0.7_F_qth_Set1	1.830	0	0.00	NA	NA	NA	25
M_0.7_F_qth_Set2	1.821	0	0.00	NA	NA	NA	17
M_0.7_F_pth_Set1	1.836	0	0.00	NA	NA	NA	29
M_0.7_F_pth_Set2	1.822	0	0.00	NA	NA	NA	17
M_0.7_F_lqpt_Set1	1.799	0	0.00	NA	NA	NA	17
M_0.7_F_lqpt_Set2	1.809	0	0.00	324.329	36.035	0.000	10
M_0.7_F_lqph_Set1	1.931	0	0.00	NA	NA	NA	47
M_0.7_F_lqph_Set2	1.907	0	0.00	NA	NA	NA	25
M_0.7_F_lqth_Set1	1.821	0	0.00	NA	NA	NA	25
M_0.7_F_lqth_Set2	1.827	0	0.00	NA	NA	NA	19
M_0.7_F_lpth_Set1	1.832	0	0.00	NA	NA	NA	29
M_0.7_F_lpth_Set2	1.828	0	0.00	NA	NA	NA	17
M_0.7_F_qpth_Set1	1.832	0	0.00	NA	NA	NA	27
M_0.7_F_qpth_Set2	1.825	0	0.00	NA	NA	NA	17
M_0.7_F_lqpth_Set1	1.829	0	0.00	NA	NA	NA	27
M_0.7_F_lqpth_Set2	1.827	0	0.00	NA	NA	NA	17
M_0.8_F_l_Set1	1.775	0	0.00	294.633	6.339	0.000	3
M_0.8_F_l_Set2	1.801	0	0.00	291.627	3.333	0.000	2
M_0.8_F_q_Set1	1.817	0	0.00	304.392	16.098	0.000	6
M_0.8_F_q_Set2	1.817	0	0.00	294.446	6.152	0.000	4
M_0.8_F_p_Set1	1.827	0	0.00	304.864	16.570	0.000	6
M_0.8_F_p_Set2	1.814	0	0.00	288.328	0.034	0.002	2
M_0.8_F_t_Set1	1.767	0	0.00	636.505	348.211	0.000	13
M_0.8_F_t_Set2	1.795	0	0.00	305.458	17.164	0.000	9
M_0.8_F_h_Set1	1.926	0	0.00	NA	NA	NA	27
M_0.8_F_h_Set2	1.905	0	0.00	NA	NA	NA	19
M_0.8_F_lq_Set1	1.810	0	0.00	320.243	31.949	0.000	8
M_0.8_F_lq_Set2	1.823	0	0.00	298.249	9.955	0.000	5
M_0.8_F_lp_Set1	1.823	0	0.00	312.378	24.084	0.000	7
M_0.8_F_lp_Set2	1.815	0	0.00	288.328	0.034	0.002	2
M_0.8_F_lt_Set1	1.768	0	0.00	636.505	348.211	0.000	13
M_0.8_F_lt_Set2	1.804	0	0.00	305.458	17.164	0.000	9
M_0.8_F_lh_Set1	1.926	0	0.00	NA	NA	NA	25
M_0.8_F_lh_Set2	1.907	0	0.00	NA	NA	NA	18

M_0.8_F_qp_Set1	1.834	0	0.00	303.569	15.275	0.000	6
M_0.8_F_qp_Set2	1.816	0	0.00	294.231	5.937	0.000	4
M_0.8_F_qt_Set1	1.798	0	0.00	NA	NA	NA	14
M_0.8_F_qt_Set2	1.798	0	0.00	305.458	17.164	0.000	9
M_0.8_F_qh_Set1	1.924	0	0.00	NA	NA	NA	26
M_0.8_F_qh_Set2	1.907	0	0.00	NA	NA	NA	21
M_0.8_F_pt_Set1	1.768	0	0.00	636.505	348.211	0.000	13
M_0.8_F_pt_Set2	1.803	0	0.00	305.458	17.164	0.000	9
M_0.8_F_ph_Set1	1.926	0	0.00	NA	NA	NA	20
M_0.8_F_ph_Set2	1.909	0	0.00	NA	NA	NA	17
M_0.8_F_th_Set1	1.830	0	0.00	NA	NA	NA	23
M_0.8_F_th_Set2	1.845	0	0.00	643.624	355.330	0.000	13
M_0.8_F_lqp_Set1	1.829	0	0.00	303.558	15.265	0.000	6
M_0.8_F_lqp_Set2	1.814	0	0.00	294.231	5.937	0.000	4
M_0.8_F_lqt_Set1	1.801	0	0.00	NA	NA	NA	14
M_0.8_F_lqt_Set2	1.812	0	0.00	361.471	73.177	0.000	11
M_0.8_F_lqh_Set1	1.918	0	0.00	NA	NA	NA	25
M_0.8_F_lqh_Set2	1.905	0	0.00	NA	NA	NA	17
M_0.8_F_lpt_Set1	1.769	0	0.00	636.505	348.211	0.000	13
M_0.8_F_lpt_Set2	1.798	0	0.00	305.458	17.164	0.000	9
M_0.8_F_lph_Set1	1.924	0	0.00	NA	NA	NA	20
M_0.8_F_lph_Set2	1.904	0	0.00	NA	NA	NA	18
M_0.8_F_lth_Set1	1.828	0	0.00	NA	NA	NA	23
M_0.8_F_lth_Set2	1.835	0	0.00	643.624	355.330	0.000	13
M_0.8_F_qpt_Set1	1.797	0	0.00	637.111	348.817	0.000	13
M_0.8_F_qpt_Set2	1.800	0	0.00	305.458	17.164	0.000	9
M_0.8_F_qph_Set1	1.930	0	0.00	NA	NA	NA	23
M_0.8_F_qph_Set2	1.907	0	0.00	NA	NA	NA	18
M_0.8_F_qth_Set1	1.817	0	0.00	NA	NA	NA	24
M_0.8_F_qth_Set2	1.841	0	0.00	643.624	355.330	0.000	13
M_0.8_F_pth_Set1	1.830	0	0.00	NA	NA	NA	23
M_0.8_F_pth_Set2	1.841	0	0.00	643.624	355.330	0.000	13
M_0.8_F_lqpt_Set1	1.798	0	0.00	637.111	348.817	0.000	13
M_0.8_F_lqpt_Set2	1.802	0	0.00	305.458	17.164	0.000	9

M_0.8_F_lqph_Set1	1.934	0	0.00	NA	NA	NA	27
M_0.8_F_lqph_Set2	1.909	0	0.00	NA	NA	NA	18
M_0.8_F_lqth_Set1	1.820	0	0.00	NA	NA	NA	24
M_0.8_F_lqth_Set2	1.840	0	0.00	643.624	355.330	0.000	13
M_0.8_F_lpth_Set1	1.830	0	0.00	NA	NA	NA	23
M_0.8_F_lpth_Set2	1.844	0	0.00	643.624	355.330	0.000	13
M_0.8_F_qpth_Set1	1.824	0	0.00	NA	NA	NA	24
M_0.8_F_qpth_Set2	1.839	0	0.00	643.624	355.330	0.000	13
M_0.8_F_lqpth_Set1	1.830	0	0.00	NA	NA	NA	24
M_0.8_F_lqpth_Set2	1.838	0	0.00	643.624	355.330	0.000	13
M_0.9_F_l_Set1	1.771	0	0.00	294.788	6.494	0.000	3
M_0.9_F_l_Set2	1.807	0	0.00	291.762	3.468	0.000	2
M_0.9_F_q_Set1	1.807	0	0.00	304.907	16.613	0.000	6
M_0.9_F_q_Set2	1.804	0	0.00	294.903	6.609	0.000	4