Supporting Information File S2. This document is an output file of the kuenm 1.1.9 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. exclude the northernmost occurrence (Santiago Metropolitan Region).

kuenm: calibration results

Brief description of the model calibration and selection process

This is the final report of the evaluation of candidate models during calibration implemented in kuenm.

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 performance 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 used to produce 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

All the results presented below can be found in the folder where outputs from model calibration were written.

Model calibration statistics

In the following table, information about how many models met the three selection criteria is presented.

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

Criteria	**Number_of_models**
All candidate models	1054
Statistically significant models	766
Models meeting omission rate criteria	462
Models meeting AICc criteria	11
Statistically significant models meeting omission rate criteria	174
Statistically significant models meeting AICc criteria	11
Statistically significant models meeting omission rate and AICc criteria	6

Models selected according to user-defined criteria

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

Note that if the selection criteria was "OR_AICc" (statistically significant models with omission rates below a predefined *E*, and among them those with lower AICc values), delta AICc values were recalculated only among models meeting the significance and omission rate criteria.

Table 3. Performance statistics for 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	N_parameters
M_4_F_lqh_Set2	1.618	0	0	263.838	0.000	0.359	2
M_4_F_lqth_Set2	1.629	0	0	263.838	0.000	0.234	2
M_3_F_lqth_Set1	1.661	0	0	264.762	0.924	0.490	4
M_3_F_lqh_Set1	1.660	0	0	264.763	0.925	0.956	4
M_4_F_lqh_Set1	1.622	0	0	265.213	1.375	0.281	3
M_4_F_lqth_Set1	1.622	0	0	265.213	1.375	0.153	3

Model performance plot

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

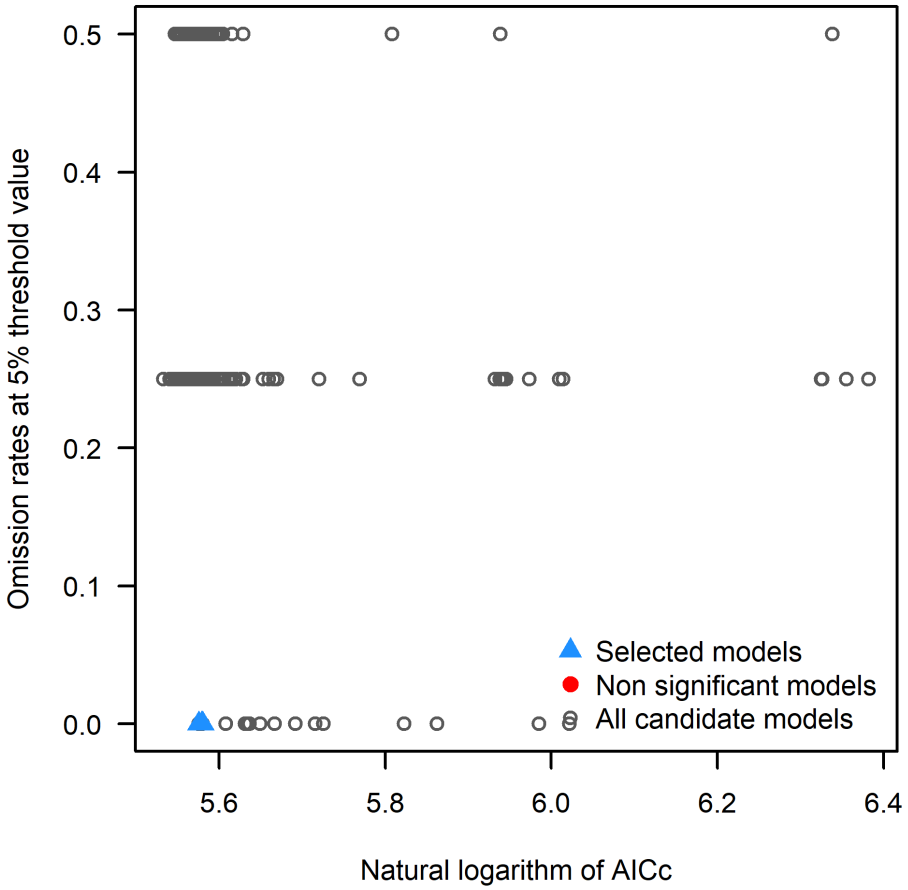

Figure 1. Distribution of all models, non-statistically significant models, and selected models in terms of AICc and omission rate values.

Performance statistics for all models

Following the statistics of performance for all candidate models (a sample if more than 500 models) are presented. See file calibration_results.csv for an editable file with of results for all candidate models.

Table 4. Performance statistics for candidate models.

Model	Mean_AUC_ratio	Partial_ROC	Omission_rate_at_5%	AICc	Delta_AICc	W_AICc	N_parameters
M_0.1_F_l_Set1	1.607	0	0.50	266.988	14.018	0.000	5
M_0.1_F_l_Set2	1.626	0	0.50	261.274	8.304	0.000	3
M_0.1_F_q_Set1	1.688	0	0.00	279.106	26.136	0.000	7
M_0.1_F_q_Set2	1.609	0	0.50	262.440	9.470	0.000	3
M_0.1_F_p_Set1	1.710	0	0.25	304.985	52.015	0.000	9
M_0.1_F_p_Set2	1.655	0	0.25	257.284	4.314	0.000	2
M_0.1_F_t_Set1	1.680	0	1.00	NA	NA	NA	70
M_0.1_F_t_Set2	1.579	0	1.00	NA	NA	NA	50
M_0.1_F_h_Set1	1.942	0	0.50	NA	NA	NA	105

M_0.1_F_h_Set2	1.826	0	0.00	NA	NA	NA	87
M_0.1_F_lq_Set1	1.583	0	0.50	332.988	80.018	0.000	10
M_0.1_F_lq_Set2	1.641	0	0.50	268.134	15.164	0.000	5
M_0.1_F_lp_Set1	1.710	0	0.25	575.564	322.594	0.000	12
M_0.1_F_lp_Set2	1.653	0	0.25	260.347	7.378	0.000	3
M_0.1_F_lt_Set1	1.643	0	1.00	NA	NA	NA	70
M_0.1_F_lt_Set2	1.588	0	1.00	NA	NA	NA	50
M_0.1_F_lh_Set1	1.944	0	0.50	NA	NA	NA	105
M_0.1_F_lh_Set2	1.818	0	0.00	NA	NA	NA	87
M_0.1_F_qp_Set1	1.729	0	0.25	285.072	32.102	0.000	8
M_0.1_F_qp_Set2	1.656	0	0.50	262.698	9.728	0.000	4
M_0.1_F_qt_Set1	1.647	0	1.00	NA	NA	NA	70
M_0.1_F_qt_Set2	1.590	0	1.00	NA	NA	NA	50
M_0.1_F_qh_Set1	1.943	0	0.50	NA	NA	NA	105
M_0.1_F_qh_Set2	1.818	0	0.00	NA	NA	NA	84
M_0.1_F_pt_Set1	1.661	0	1.00	NA	NA	NA	70
M_0.1_F_pt_Set2	1.597	0	1.00	NA	NA	NA	50
M_0.1_F_ph_Set1	1.944	0	0.50	NA	NA	NA	131
M_0.1_F_ph_Set2	1.809	0	0.00	NA	NA	NA	87
M_0.1_F_th_Set1	1.659	0	1.00	NA	NA	NA	83
M_0.1_F_th_Set2	1.670	0	1.00	NA	NA	NA	55
M_0.1_F_lqp_Set1	1.734	0	0.25	392.986	140.017	0.000	11
M_0.1_F_lqp_Set2	1.663	0	0.50	262.698	9.729	0.000	4
M_0.1_F_lqt_Set1	1.668	0	1.00	NA	NA	NA	70
M_0.1_F_lqt_Set2	1.603	0	1.00	NA	NA	NA	50
M_0.1_F_lqh_Set1	1.942	0	0.50	NA	NA	NA	105
M_0.1_F_lqh_Set2	1.820	0	0.00	NA	NA	NA	84
M_0.1_F_lpt_Set1	1.668	0	1.00	NA	NA	NA	70
M_0.1_F_lpt_Set2	1.576	0	1.00	NA	NA	NA	50
M_0.1_F_lph_Set1	1.946	0	0.50	NA	NA	NA	105
M_0.1_F_lph_Set2	1.812	0	0.00	NA	NA	NA	88
M_0.1_F_lth_Set1	1.679	0	1.00	NA	NA	NA	83
M_0.1_F_lth_Set2	1.650	0	1.00	NA	NA	NA	55

M_0.1_F_qpt_Set1	1.653	0	1.00	NA	NA	NA	70
M_0.1_F_qpt_Set2	1.595	0	1.00	NA	NA	NA	50
M_0.1_F_qph_Set1	1.944	0	0.50	NA	NA	NA	105
M_0.1_F_qph_Set2	1.808	0	0.00	NA	NA	NA	92
M_0.1_F_qth_Set1	1.665	0	1.00	NA	NA	NA	83
M_0.1_F_qth_Set2	1.660	0	1.00	NA	NA	NA	55
M_0.1_F_pth_Set1	1.695	0	1.00	NA	NA	NA	83
M_0.1_F_pth_Set2	1.663	0	1.00	NA	NA	NA	55
M_0.1_F_lqpt_Set1	1.660	0	1.00	NA	NA	NA	70
M_0.1_F_lqpt_Set2	1.591	0	1.00	NA	NA	NA	50
M_0.1_F_lqph_Set1	1.943	0	0.50	NA	NA	NA	105
M_0.1_F_lqph_Set2	1.821	0	0.00	NA	NA	NA	87
M_0.1_F_lqth_Set1	1.665	0	1.00	NA	NA	NA	83
M_0.1_F_lqth_Set2	1.672	0	1.00	NA	NA	NA	55
M_0.1_F_lpth_Set1	1.677	0	1.00	NA	NA	NA	83
M_0.1_F_lpth_Set2	1.668	0	1.00	NA	NA	NA	55
M_0.1_F_qpth_Set1	1.672	0	1.00	NA	NA	NA	83
M_0.1_F_qpth_Set2	1.647	0	1.00	NA	NA	NA	55
M_0.1_F_lqpth_Set1	1.686	0	1.00	NA	NA	NA	83
M_0.1_F_lqpth_Set2	1.649	0	1.00	NA	NA	NA	55
M_0.2_F_l_Set1	1.609	0	0.50	274.797	21.827	0.000	6
M_0.2_F_l_Set2	1.625	0	0.25	261.429	8.459	0.000	3
M_0.2_F_q_Set1	1.668	0	0.00	279.648	26.678	0.000	7
M_0.2_F_q_Set2	1.599	0	0.25	262.462	9.493	0.000	3
M_0.2_F_p_Set1	1.676	0	0.25	289.968	36.999	0.000	8
M_0.2_F_p_Set2	1.656	0	0.25	257.398	4.429	0.000	2
M_0.2_F_t_Set1	1.595	0	1.00	NA	NA	NA	55
M_0.2_F_t_Set2	1.481	0	1.00	NA	NA	NA	33
M_0.2_F_h_Set1	1.607	0	0.50	NA	NA	NA	96
M_0.2_F_h_Set2	1.797	0	0.00	NA	NA	NA	95
M_0.2_F_lq_Set1	1.717	0	0.25	287.213	34.244	0.000	8
M_0.2_F_lq_Set2	1.635	0	0.25	264.906	11.936	0.000	4
M_0.2_F_lp_Set1	1.668	0	0.25	277.838	24.869	0.000	7

M_0.2_F_lp_Set2	1.649	0	0.25	260.646	7.677	0.000	3
M_0.2_F_lt_Set1	1.582	0	1.00	NA	NA	NA	55
M_0.2_F_lt_Set2	1.467	0	1.00	NA	NA	NA	33
M_0.2_F_lh_Set1	1.612	0	0.50	NA	NA	NA	96
M_0.2_F_lh_Set2	1.798	0	0.00	NA	NA	NA	95
M_0.2_F_qp_Set1	1.705	0	0.25	275.758	22.788	0.000	7
M_0.2_F_qp_Set2	1.652	0	0.25	259.956	6.987	0.000	3
M_0.2_F_qt_Set1	1.597	0	1.00	NA	NA	NA	55
M_0.2_F_qt_Set2	1.425	0	1.00	NA	NA	NA	35
M_0.2_F_qh_Set1	1.607	0	0.50	NA	NA	NA	93
M_0.2_F_qh_Set2	1.795	0	0.00	NA	NA	NA	105
M_0.2_F_pt_Set1	1.577	0	1.00	NA	NA	NA	55
M_0.2_F_pt_Set2	1.503	0	1.00	NA	NA	NA	33
M_0.2_F_ph_Set1	1.586	0	0.50	NA	NA	NA	96
M_0.2_F_ph_Set2	1.801	0	0.00	NA	NA	NA	92
M_0.2_F_th_Set1	1.516	0	1.00	NA	NA	NA	82
M_0.2_F_th_Set2	1.405	0	1.00	NA	NA	NA	41
M_0.2_F_lqp_Set1	1.710	0	0.25	276.014	23.045	0.000	7
M_0.2_F_lqp_Set2	1.665	0	0.25	259.957	6.988	0.000	3
M_0.2_F_lqt_Set1	1.595	0	1.00	NA	NA	NA	55
M_0.2_F_lqt_Set2	1.460	0	1.00	NA	NA	NA	35
M_0.2_F_lqh_Set1	1.598	0	0.50	NA	NA	NA	93
M_0.2_F_lqh_Set2	1.799	0	0.00	NA	NA	NA	91
M_0.2_F_lpt_Set1	1.592	0	1.00	NA	NA	NA	55
M_0.2_F_lpt_Set2	1.478	0	1.00	NA	NA	NA	33
M_0.2_F_lph_Set1	1.612	0	0.50	NA	NA	NA	96
M_0.2_F_lph_Set2	1.793	0	0.00	NA	NA	NA	91
M_0.2_F_lth_Set1	1.540	0	1.00	NA	NA	NA	82
M_0.2_F_lth_Set2	1.441	0	1.00	NA	NA	NA	41
M_0.2_F_qpt_Set1	1.600	0	1.00	NA	NA	NA	55
M_0.2_F_qpt_Set2	1.459	0	1.00	NA	NA	NA	34
M_0.2_F_qph_Set1	1.604	0	0.50	NA	NA	NA	96
M_0.2_F_qph_Set2	1.785	0	0.00	NA	NA	NA	103

M_0.2_F_qth_Set1	1.528	0	1.00	NA	NA	NA	82
M_0.2_F_qth_Set2	1.477	0	1.00	NA	NA	NA	41
M_0.2_F_pth_Set1	1.526	0	1.00	NA	NA	NA	82
M_0.2_F_pth_Set2	1.469	0	1.00	NA	NA	NA	41
M_0.2_F_lqpt_Set1	1.586	0	1.00	NA	NA	NA	55
M_0.2_F_lqpt_Set2	1.422	0	1.00	NA	NA	NA	34
M_0.2_F_lqph_Set1	1.607	0	0.50	NA	NA	NA	96
M_0.2_F_lqph_Set2	1.795	0	0.00	NA	NA	NA	114
M_0.2_F_lqth_Set1	1.529	0	1.00	NA	NA	NA	82
M_0.2_F_lqth_Set2	1.432	0	1.00	NA	NA	NA	41
M_0.2_F_lpth_Set1	1.534	0	1.00	NA	NA	NA	82
M_0.2_F_lpth_Set2	1.435	0	1.00	NA	NA	NA	41
M_0.2_F_qpth_Set1	1.537	0	1.00	NA	NA	NA	82
M_0.2_F_qpth_Set2	1.454	0	1.00	NA	NA	NA	41
M_0.2_F_lqpth_Set1	1.525	0	1.00	NA	NA	NA	82
M_0.2_F_lqpth_Set2	1.432	0	1.00	NA	NA	NA	41
M_0.3_F_l_Set1	1.618	0	0.50	269.865	16.896	0.000	5
M_0.3_F_l_Set2	1.638	0	0.25	258.377	5.407	0.000	2
M_0.3_F_q_Set1	1.653	0	0.00	280.505	27.535	0.000	7
M_0.3_F_q_Set2	1.604	0	0.25	262.506	9.537	0.000	3
M_0.3_F_p_Set1	1.652	0	0.50	271.754	18.785	0.000	6
M_0.3_F_p_Set2	1.655	0	0.25	254.782	1.812	0.001	1
M_0.3_F_t_Set1	1.633	0	1.00	NA	NA	NA	42
M_0.3_F_t_Set2	1.520	0	0.50	NA	NA	NA	23
M_0.3_F_h_Set1	1.620	0	0.50	NA	NA	NA	85
M_0.3_F_h_Set2	1.798	0	0.00	NA	NA	NA	95
M_0.3_F_lq_Set1	1.688	0	0.25	288.848	35.878	0.000	8
M_0.3_F_lq_Set2	1.632	0	0.25	261.017	8.048	0.000	3
M_0.3_F_lp_Set1	1.650	0	0.50	271.448	18.478	0.000	6
M_0.3_F_lp_Set2	1.661	0	0.25	254.782	1.812	0.001	1
M_0.3_F_lt_Set1	1.647	0	1.00	NA	NA	NA	42
M_0.3_F_lt_Set2	1.509	0	0.50	NA	NA	NA	23
M_0.3_F_lh_Set1	1.598	0	0.50	NA	NA	NA	85

M_0.3_F_lh_Set2	1.799	0	0.00	NA	NA	NA	102
M_0.3_F_qp_Set1	1.673	0	0.25	277.833	24.864	0.000	7
M_0.3_F_qp_Set2	1.649	0	0.25	257.116	4.146	0.000	2
M_0.3_F_qt_Set1	1.636	0	1.00	NA	NA	NA	42
M_0.3_F_qt_Set2	1.538	0	0.50	NA	NA	NA	23
M_0.3_F_qh_Set1	1.611	0	0.50	NA	NA	NA	87
M_0.3_F_qh_Set2	1.793	0	0.00	NA	NA	NA	108
M_0.3_F_pt_Set1	1.634	0	1.00	NA	NA	NA	42
M_0.3_F_pt_Set2	1.541	0	0.50	NA	NA	NA	23
M_0.3_F_ph_Set1	1.611	0	0.50	NA	NA	NA	78
M_0.3_F_ph_Set2	1.802	0	0.00	NA	NA	NA	101
M_0.3_F_th_Set1	1.593	0	1.00	NA	NA	NA	61
M_0.3_F_th_Set2	1.549	0	0.50	NA	NA	NA	29
M_0.3_F_lqp_Set1	1.670	0	0.25	277.843	24.874	0.000	7
M_0.3_F_lqp_Set2	1.652	0	0.25	260.360	7.390	0.000	3
M_0.3_F_lqt_Set1	1.643	0	1.00	NA	NA	NA	42
M_0.3_F_lqt_Set2	1.532	0	0.50	NA	NA	NA	23
M_0.3_F_lqh_Set1	1.605	0	0.50	NA	NA	NA	87
M_0.3_F_lqh_Set2	1.801	0	0.00	NA	NA	NA	85
M_0.3_F_lpt_Set1	1.645	0	1.00	NA	NA	NA	42
M_0.3_F_lpt_Set2	1.499	0	0.50	NA	NA	NA	23
M_0.3_F_lph_Set1	1.609	0	0.50	NA	NA	NA	90
M_0.3_F_lph_Set2	1.792	0	0.00	NA	NA	NA	97
M_0.3_F_lth_Set1	1.583	0	1.00	NA	NA	NA	61
M_0.3_F_lth_Set2	1.568	0	0.50	NA	NA	NA	29
M_0.3_F_qpt_Set1	1.649	0	1.00	NA	NA	NA	42
M_0.3_F_qpt_Set2	1.543	0	0.50	NA	NA	NA	23
M_0.3_F_qph_Set1	1.627	0	0.50	NA	NA	NA	85
M_0.3_F_qph_Set2	1.798	0	0.00	NA	NA	NA	100
M_0.3_F_qth_Set1	1.602	0	1.00	NA	NA	NA	61
M_0.3_F_qth_Set2	1.565	0	0.50	NA	NA	NA	29
M_0.3_F_pth_Set1	1.581	0	1.00	NA	NA	NA	61
M_0.3_F_pth_Set2	1.545	0	0.50	NA	NA	NA	29

M_0.3_F_lqpt_Set1	1.661	0	1.00	NA	NA	NA	42
M_0.3_F_lqpt_Set2	1.513	0	0.50	NA	NA	NA	23
M_0.3_F_lqph_Set1	1.605	0	0.50	NA	NA	NA	85
M_0.3_F_lqph_Set2	1.795	0	0.00	NA	NA	NA	108
M_0.3_F_lqth_Set1	1.568	0	1.00	NA	NA	NA	61
M_0.3_F_lqth_Set2	1.553	0	0.50	NA	NA	NA	29
M_0.3_F_lpth_Set1	1.562	0	1.00	NA	NA	NA	61
M_0.3_F_lpth_Set2	1.538	0	0.50	NA	NA	NA	29
M_0.3_F_qpth_Set1	1.570	0	1.00	NA	NA	NA	61
M_0.3_F_qpth_Set2	1.575	0	0.50	NA	NA	NA	29
M_0.3_F_lqpth_Set1	1.575	0	1.00	NA	NA	NA	61
M_0.3_F_lqpth_Set2	1.561	0	0.50	NA	NA	NA	29
M_0.4_F_l_Set1	1.629	0	0.50	270.611	17.641	0.000	5
M_0.4_F_l_Set2	1.632	0	0.25	258.420	5.450	0.000	2
M_0.4_F_q_Set1	1.642	0	0.00	272.694	19.724	0.000	6
M_0.4_F_q_Set2	1.605	0	0.25	262.569	9.599	0.000	3
M_0.4_F_p_Set1	1.658	0	0.50	267.511	14.541	0.000	5
M_0.4_F_p_Set2	1.651	0	0.25	254.839	1.869	0.001	1
M_0.4_F_t_Set1	1.732	0	0.50	NA	NA	NA	30
M_0.4_F_t_Set2	1.579	0	0.25	NA	NA	NA	18
M_0.4_F_h_Set1	1.631	0	0.50	NA	NA	NA	44
M_0.4_F_h_Set2	1.779	0	0.00	NA	NA	NA	101
M_0.4_F_lq_Set1	1.677	0	0.25	268.866	15.896	0.000	6
M_0.4_F_lq_Set2	1.629	0	0.25	261.088	8.118	0.000	3
M_0.4_F_lp_Set1	1.658	0	0.50	267.507	14.538	0.000	5
M_0.4_F_lp_Set2	1.648	0	0.25	254.839	1.869	0.001	1
M_0.4_F_lt_Set1	1.734	0	0.50	NA	NA	NA	31
M_0.4_F_lt_Set2	1.580	0	0.25	NA	NA	NA	18
M_0.4_F_lh_Set1	1.631	0	0.50	NA	NA	NA	44
M_0.4_F_lh_Set2	1.780	0	0.00	NA	NA	NA	113
M_0.4_F_qp_Set1	1.650	0	0.50	264.602	11.633	0.000	5
M_0.4_F_qp_Set2	1.657	0	0.25	257.255	4.286	0.000	2
M_0.4_F_qt_Set1	1.749	0	0.50	NA	NA	NA	33

M_0.4_F_qt_Set2	1.561	0	0.25	NA	NA	NA	18
M_0.4_F_qh_Set1	1.639	0	0.50	NA	NA	NA	41
M_0.4_F_qh_Set2	1.779	0	0.00	NA	NA	NA	114
M_0.4_F_pt_Set1	1.735	0	0.50	NA	NA	NA	30
M_0.4_F_pt_Set2	1.556	0	0.25	NA	NA	NA	18
M_0.4_F_ph_Set1	1.632	0	0.50	NA	NA	NA	48
M_0.4_F_ph_Set2	1.782	0	0.00	NA	NA	NA	107
M_0.4_F_th_Set1	1.610	0	0.50	NA	NA	NA	49
M_0.4_F_th_Set2	1.584	0	0.25	NA	NA	NA	21
M_0.4_F_lqp_Set1	1.665	0	0.50	270.724	17.755	0.000	6
M_0.4_F_lqp_Set2	1.655	0	0.25	260.549	7.580	0.000	3
M_0.4_F_lqt_Set1	1.741	0	0.50	NA	NA	NA	31
M_0.4_F_lqt_Set2	1.573	0	0.25	NA	NA	NA	18
M_0.4_F_lqh_Set1	1.627	0	0.50	NA	NA	NA	41
M_0.4_F_lqh_Set2	1.781	0	0.00	NA	NA	NA	94
M_0.4_F_lpt_Set1	1.739	0	0.50	NA	NA	NA	30
M_0.4_F_lpt_Set2	1.563	0	0.25	NA	NA	NA	18
M_0.4_F_lph_Set1	1.625	0	0.50	NA	NA	NA	48
M_0.4_F_lph_Set2	1.779	0	0.00	NA	NA	NA	104
M_0.4_F_lth_Set1	1.576	0	0.50	NA	NA	NA	49
M_0.4_F_lth_Set2	1.585	0	0.25	NA	NA	NA	21
M_0.4_F_qpt_Set1	1.736	0	0.50	NA	NA	NA	30
M_0.4_F_qpt_Set2	1.581	0	0.25	NA	NA	NA	18
M_0.4_F_qph_Set1	1.651	0	0.50	NA	NA	NA	41
M_0.4_F_qph_Set2	1.780	0	0.00	NA	NA	NA	117
M_0.4_F_qth_Set1	1.613	0	0.50	NA	NA	NA	49
M_0.4_F_qth_Set2	1.552	0	0.25	NA	NA	NA	21
M_0.4_F_pth_Set1	1.616	0	0.50	NA	NA	NA	49
M_0.4_F_pth_Set2	1.594	0	0.25	NA	NA	NA	21
M_0.4_F_lqpt_Set1	1.736	0	0.50	NA	NA	NA	30
M_0.4_F_lqpt_Set2	1.554	0	0.25	NA	NA	NA	18
M_0.4_F_lqph_Set1	1.635	0	0.50	NA	NA	NA	51
M_0.4_F_lqph_Set2	1.770	0	0.00	NA	NA	NA	113

M_0.4_F_lqth_Set1	1.612	0	0.50	NA	NA	NA	47
M_0.4_F_lqth_Set2	1.601	0	0.25	NA	NA	NA	21
M_0.4_F_lpth_Set1	1.609	0	0.50	NA	NA	NA	49
M_0.4_F_lpth_Set2	1.581	0	0.25	NA	NA	NA	21
M_0.4_F_qpth_Set1	1.618	0	0.50	NA	NA	NA	49
M_0.4_F_qpth_Set2	1.587	0	0.25	NA	NA	NA	21
M_0.4_F_lqpth_Set1	1.602	0	0.50	NA	NA	NA	49
M_0.4_F_lqpth_Set2	1.576	0	0.25	NA	NA	NA	21
M_0.5_F_l_Set1	1.632	0	0.25	261.637	8.667	0.000	3
M_0.5_F_l_Set2	1.632	0	0.25	258.477	5.507	0.000	2
M_0.5_F_q_Set1	1.619	0	0.25	273.485	20.515	0.000	6
M_0.5_F_q_Set2	1.603	0	0.25	262.649	9.679	0.000	3
M_0.5_F_p_Set1	1.663	0	0.50	269.350	16.380	0.000	5
M_0.5_F_p_Set2	1.661	0	0.25	254.916	1.947	0.001	1
M_0.5_F_t_Set1	1.785	0	0.50	NA	NA	NA	22
M_0.5_F_t_Set2	1.545	0	0.25	379.176	126.207	0.000	11
M_0.5_F_h_Set1	1.663	0	0.25	NA	NA	NA	31
M_0.5_F_h_Set2	1.751	0	0.00	NA	NA	NA	128
M_0.5_F_lq_Set1	1.663	0	0.50	269.620	16.650	0.000	6
M_0.5_F_lq_Set2	1.629	0	0.25	261.178	8.208	0.000	3
M_0.5_F_lp_Set1	1.660	0	0.50	263.905	10.935	0.000	4
M_0.5_F_lp_Set2	1.655	0	0.25	254.916	1.947	0.001	1
M_0.5_F_lt_Set1	1.793	0	0.50	NA	NA	NA	23
M_0.5_F_lt_Set2	1.580	0	0.25	379.176	126.207	0.000	11
M_0.5_F_lh_Set1	1.654	0	0.25	NA	NA	NA	31
M_0.5_F_lh_Set2	1.759	0	0.00	NA	NA	NA	108
M_0.5_F_qp_Set1	1.660	0	0.50	261.128	8.159	0.000	4
M_0.5_F_qp_Set2	1.654	0	0.25	257.433	4.463	0.000	2
M_0.5_F_qt_Set1	1.798	0	0.50	NA	NA	NA	23
M_0.5_F_qt_Set2	1.561	0	0.50	379.432	126.463	0.000	11
M_0.5_F_qh_Set1	1.658	0	0.25	NA	NA	NA	37
M_0.5_F_qh_Set2	1.755	0	0.00	NA	NA	NA	121
M_0.5_F_pt_Set1	1.796	0	0.50	NA	NA	NA	23

M_0.5_F_pt_Set2	1.562	0	0.25	379.176	126.207	0.000	11
M_0.5_F_ph_Set1	1.672	0	0.25	NA	NA	NA	31
M_0.5_F_ph_Set2	1.758	0	0.00	NA	NA	NA	111
M_0.5_F_th_Set1	1.650	0	0.50	NA	NA	NA	32
M_0.5_F_th_Set2	1.571	0	0.50	NA	NA	NA	13
M_0.5_F_lqp_Set1	1.661	0	0.50	266.037	13.068	0.000	5
M_0.5_F_lqp_Set2	1.654	0	0.25	257.433	4.463	0.000	2
M_0.5_F_lqt_Set1	1.807	0	0.50	NA	NA	NA	24
M_0.5_F_lqt_Set2	1.568	0	0.50	379.432	126.463	0.000	11
M_0.5_F_lqh_Set1	1.653	0	0.25	NA	NA	NA	35
M_0.5_F_lqh_Set2	1.755	0	0.00	NA	NA	NA	85
M_0.5_F_lpt_Set1	1.795	0	0.50	NA	NA	NA	23
M_0.5_F_lpt_Set2	1.566	0	0.25	379.176	126.207	0.000	11
M_0.5_F_lph_Set1	1.654	0	0.25	NA	NA	NA	26
M_0.5_F_lph_Set2	1.761	0	0.00	NA	NA	NA	108
M_0.5_F_lth_Set1	1.669	0	0.50	NA	NA	NA	32
M_0.5_F_lth_Set2	1.575	0	0.50	NA	NA	NA	13
M_0.5_F_qpt_Set1	1.794	0	0.50	NA	NA	NA	23
M_0.5_F_qpt_Set2	1.569	0	0.25	379.176	126.207	0.000	11
M_0.5_F_qph_Set1	1.659	0	0.25	NA	NA	NA	32
M_0.5_F_qph_Set2	1.756	0	0.00	NA	NA	NA	108
M_0.5_F_qth_Set1	1.662	0	0.50	NA	NA	NA	32
M_0.5_F_qth_Set2	1.584	0	0.50	NA	NA	NA	13
M_0.5_F_pth_Set1	1.649	0	0.50	NA	NA	NA	32
M_0.5_F_pth_Set2	1.596	0	0.50	NA	NA	NA	13
M_0.5_F_lqpt_Set1	1.800	0	0.50	NA	NA	NA	23
M_0.5_F_lqpt_Set2	1.558	0	0.25	379.176	126.207	0.000	11
M_0.5_F_lqph_Set1	1.645	0	0.25	NA	NA	NA	25
M_0.5_F_lqph_Set2	1.753	0	0.00	NA	NA	NA	113
M_0.5_F_lqth_Set1	1.677	0	0.50	NA	NA	NA	29
M_0.5_F_lqth_Set2	1.590	0	0.50	NA	NA	NA	13
M_0.5_F_lpth_Set1	1.656	0	0.50	NA	NA	NA	32
M_0.5_F_lpth_Set2	1.594	0	0.50	NA	NA	NA	13

M_0.5_F_qpth_Set1	1.653	0	0.50	NA	NA	NA	32
M_0.5_F_qpth_Set2	1.578	0	0.50	NA	NA	NA	13
M_0.5_F_lqpth_Set1	1.649	0	0.50	NA	NA	NA	32
M_0.5_F_lqpth_Set2	1.582	0	0.50	NA	NA	NA	13
M_0.6_F_l_Set1	1.622	0	0.25	261.726	8.757	0.000	3
M_0.6_F_l_Set2	1.627	0	0.25	258.548	5.578	0.000	2
M_0.6_F_q_Set1	1.598	0	0.25	274.467	21.497	0.000	6
M_0.6_F_q_Set2	1.602	0	0.25	262.744	9.775	0.000	3
M_0.6_F_p_Set1	1.664	0	0.50	260.464	7.495	0.000	3
M_0.6_F_p_Set2	1.655	0	0.25	255.014	2.044	0.001	1
M_0.6_F_t_Set1	1.816	0	0.00	NA	NA	NA	18
M_0.6_F_t_Set2	1.583	0	0.25	275.570	22.600	0.000	8
M_0.6_F_h_Set1	1.692	0	0.25	NA	NA	NA	35
M_0.6_F_h_Set2	1.727	0	0.00	NA	NA	NA	104
M_0.6_F_lq_Set1	1.642	0	0.50	270.531	17.561	0.000	6
M_0.6_F_lq_Set2	1.636	0	0.25	261.286	8.317	0.000	3
M_0.6_F_lp_Set1	1.647	0	0.50	264.110	11.141	0.000	4
M_0.6_F_lp_Set2	1.651	0	0.25	255.014	2.044	0.001	1
M_0.6_F_lt_Set1	1.812	0	0.00	NA	NA	NA	18
M_0.6_F_lt_Set2	1.552	0	0.25	275.570	22.600	0.000	8
M_0.6_F_lh_Set1	1.695	0	0.25	NA	NA	NA	35
M_0.6_F_lh_Set2	1.731	0	0.00	NA	NA	NA	107
M_0.6_F_qp_Set1	1.659	0	0.50	262.964	9.994	0.000	4
M_0.6_F_qp_Set2	1.643	0	0.25	257.643	4.674	0.000	2
M_0.6_F_qt_Set1	1.814	0	0.00	NA	NA	NA	20
M_0.6_F_qt_Set2	1.597	0	0.25	275.951	22.982	0.000	8
M_0.6_F_qh_Set1	1.677	0	0.25	NA	NA	NA	35
M_0.6_F_qh_Set2	1.738	0	0.00	NA	NA	NA	97
M_0.6_F_pt_Set1	1.815	0	0.00	NA	NA	NA	19
M_0.6_F_pt_Set2	1.566	0	0.25	275.570	22.600	0.000	8
M_0.6_F_ph_Set1	1.692	0	0.25	NA	NA	NA	33
M_0.6_F_ph_Set2	1.723	0	0.00	NA	NA	NA	106
M_0.6_F_th_Set1	1.690	0	0.50	NA	NA	NA	20

M_0.6_F_th_Set2	1.570	0	0.50	565.851	312.881	0.000	12
M_0.6_F_lqp_Set1	1.664	0	0.50	267.851	14.881	0.000	5
M_0.6_F_lqp_Set2	1.656	0	0.25	257.643	4.674	0.000	2
M_0.6_F_lqt_Set1	1.815	0	0.00	NA	NA	NA	19
M_0.6_F_lqt_Set2	1.597	0	0.25	275.951	22.982	0.000	8
M_0.6_F_lqh_Set1	1.682	0	0.25	NA	NA	NA	35
M_0.6_F_lqh_Set2	1.743	0	0.00	NA	NA	NA	81
M_0.6_F_lpt_Set1	1.815	0	0.00	NA	NA	NA	19
M_0.6_F_lpt_Set2	1.588	0	0.25	275.570	22.600	0.000	8
M_0.6_F_lph_Set1	1.686	0	0.25	NA	NA	NA	33
M_0.6_F_lph_Set2	1.739	0	0.00	NA	NA	NA	100
M_0.6_F_lth_Set1	1.690	0	0.50	NA	NA	NA	20
M_0.6_F_lth_Set2	1.587	0	0.50	565.851	312.881	0.000	12
M_0.6_F_qpt_Set1	1.817	0	0.00	NA	NA	NA	19
M_0.6_F_qpt_Set2	1.578	0	0.25	275.570	22.600	0.000	8
M_0.6_F_qph_Set1	1.674	0	0.25	NA	NA	NA	35
M_0.6_F_qph_Set2	1.733	0	0.00	NA	NA	NA	75
M_0.6_F_qth_Set1	1.688	0	0.50	NA	NA	NA	20
M_0.6_F_qth_Set2	1.601	0	0.50	565.851	312.881	0.000	12
M_0.6_F_pth_Set1	1.700	0	0.50	NA	NA	NA	20
M_0.6_F_pth_Set2	1.576	0	0.50	565.851	312.881	0.000	12
M_0.6_F_lqpt_Set1	1.810	0	0.00	NA	NA	NA	19
M_0.6_F_lqpt_Set2	1.571	0	0.25	275.570	22.600	0.000	8
M_0.6_F_lqph_Set1	1.676	0	0.25	NA	NA	NA	35
M_0.6_F_lqph_Set2	1.730	0	0.00	NA	NA	NA	100
M_0.6_F_lqth_Set1	1.699	0	0.50	NA	NA	NA	20
M_0.6_F_lqth_Set2	1.567	0	0.50	565.851	312.881	0.000	12
M_0.6_F_lpth_Set1	1.693	0	0.50	NA	NA	NA	20
M_0.6_F_lpth_Set2	1.560	0	0.50	565.851	312.881	0.000	12
M_0.6_F_qpth_Set1	1.689	0	0.50	NA	NA	NA	20
M_0.6_F_qpth_Set2	1.582	0	0.50	565.851	312.881	0.000	12
M_0.6_F_lqpth_Set1	1.707	0	0.50	NA	NA	NA	20
M_0.6_F_lqpth_Set2	1.561	0	0.50	565.851	312.881	0.000	12

M_0.7_F_l_Set1	1.632	0	0.25	261.834	8.864	0.000	3
M_0.7_F_l_Set2	1.631	0	0.25	258.632	5.662	0.000	2
M_0.7_F_q_Set1	1.601	0	0.25	275.661	22.691	0.000	6
M_0.7_F_q_Set2	1.599	0	0.25	262.853	9.884	0.000	3
M_0.7_F_p_Set1	1.657	0	0.50	257.299	4.330	0.000	2
M_0.7_F_p_Set2	1.662	0	0.25	255.132	2.162	0.001	1
M_0.7_F_t_Set1	1.782	0	0.25	NA	NA	NA	15
M_0.7_F_t_Set2	1.532	0	0.25	265.924	12.954	0.000	7
M_0.7_F_h_Set1	1.690	0	0.00	NA	NA	NA	23
M_0.7_F_h_Set2	1.706	0	0.00	NA	NA	NA	86
M_0.7_F_lq_Set1	1.625	0	0.25	271.616	18.646	0.000	6
M_0.7_F_lq_Set2	1.631	0	0.25	261.410	8.441	0.000	3
M_0.7_F_lp_Set1	1.661	0	0.50	264.347	11.377	0.000	4
M_0.7_F_lp_Set2	1.659	0	0.25	255.132	2.162	0.001	1
M_0.7_F_lt_Set1	1.777	0	0.25	NA	NA	NA	16
M_0.7_F_lt_Set2	1.577	0	0.50	265.924	12.954	0.000	7
M_0.7_F_lh_Set1	1.694	0	0.00	NA	NA	NA	23
M_0.7_F_lh_Set2	1.708	0	0.00	NA	NA	NA	93
M_0.7_F_qp_Set1	1.660	0	0.50	257.299	4.330	0.000	2
M_0.7_F_qp_Set2	1.653	0	0.25	257.883	4.913	0.000	2
M_0.7_F_qt_Set1	1.826	0	0.00	NA	NA	NA	17
M_0.7_F_qt_Set2	1.563	0	0.25	278.492	25.522	0.000	8
M_0.7_F_qh_Set1	1.704	0	0.00	NA	NA	NA	26
M_0.7_F_qh_Set2	1.701	0	0.00	NA	NA	NA	77
M_0.7_F_pt_Set1	1.782	0	0.25	NA	NA	NA	16
M_0.7_F_pt_Set2	1.534	0	0.25	265.924	12.954	0.000	7
M_0.7_F_ph_Set1	1.707	0	0.00	NA	NA	NA	21
M_0.7_F_ph_Set2	1.710	0	0.00	NA	NA	NA	88
M_0.7_F_th_Set1	1.697	0	0.50	NA	NA	NA	20
M_0.7_F_th_Set2	1.565	0	0.50	NA	NA	NA	55
M_0.7_F_lqp_Set1	1.648	0	0.50	269.225	16.256	0.000	5
M_0.7_F_lqp_Set2	1.658	0	0.25	257.883	4.913	0.000	2
M_0.7_F_lqt_Set1	1.833	0	0.00	NA	NA	NA	17

M_0.7_F_lqt_Set2	1.573	0	0.50	278.492	25.522	0.000	8
M_0.7_F_lqh_Set1	1.699	0	0.00	NA	NA	NA	24
M_0.7_F_lqh_Set2	1.704	0	0.00	NA	NA	NA	77
M_0.7_F_lpt_Set1	1.775	0	0.25	NA	NA	NA	16
M_0.7_F_lpt_Set2	1.534	0	0.25	265.924	12.954	0.000	7
M_0.7_F_lph_Set1	1.703	0	0.00	NA	NA	NA	21
M_0.7_F_lph_Set2	1.709	0	0.00	NA	NA	NA	82
M_0.7_F_lth_Set1	1.701	0	0.50	NA	NA	NA	20
M_0.7_F_lth_Set2	1.559	0	0.50	NA	NA	NA	55
M_0.7_F_qpt_Set1	1.773	0	0.25	NA	NA	NA	16
M_0.7_F_qpt_Set2	1.525	0	0.25	278.064	25.094	0.000	8
M_0.7_F_qph_Set1	1.712	0	0.00	NA	NA	NA	24
M_0.7_F_qph_Set2	1.712	0	0.00	NA	NA	NA	59
M_0.7_F_qth_Set1	1.683	0	0.50	NA	NA	NA	20
M_0.7_F_qth_Set2	1.580	0	0.50	NA	NA	NA	55
M_0.7_F_pth_Set1	1.682	0	0.50	NA	NA	NA	20
M_0.7_F_pth_Set2	1.570	0	0.50	NA	NA	NA	55
M_0.7_F_lqpt_Set1	1.772	0	0.25	NA	NA	NA	16
M_0.7_F_lqpt_Set2	1.529	0	0.25	278.064	25.094	0.000	8
M_0.7_F_lqph_Set1	1.701	0	0.00	NA	NA	NA	23
M_0.7_F_lqph_Set2	1.712	0	0.00	NA	NA	NA	56
M_0.7_F_lqth_Set1	1.694	0	0.50	NA	NA	NA	20
M_0.7_F_lqth_Set2	1.577	0	0.50	NA	NA	NA	55
M_0.7_F_lpth_Set1	1.697	0	0.50	NA	NA	NA	20
M_0.7_F_lpth_Set2	1.581	0	0.50	NA	NA	NA	55
M_0.7_F_qpth_Set1	1.689	0	0.50	NA	NA	NA	20
M_0.7_F_qpth_Set2	1.586	0	0.50	NA	NA	NA	55
M_0.7_F_lqpth_Set1	1.695	0	0.50	NA	NA	NA	20
M_0.7_F_lqpth_Set2	1.573	0	0.50	NA	NA	NA	55
M_0.8_F_l_Set1	1.624	0	0.25	261.959	8.989	0.000	3
M_0.8_F_l_Set2	1.627	0	0.25	258.728	5.758	0.000	2
M_0.8_F_q_Set1	1.600	0	0.25	270.256	17.286	0.000	5
M_0.8_F_q_Set2	1.600	0	0.25	262.974	10.004	0.000	3

M_0.8_F_p_Set1	1.659	0	0.50	257.463	4.493	0.000	2
M_0.8_F_p_Set2	1.650	0	0.25	255.269	2.299	0.001	1
M_0.8_F_t_Set1	1.778	0	0.25	NA	NA	NA	13
M_0.8_F_t_Set2	1.520	0	0.25	260.156	7.186	0.000	6
M_0.8_F_h_Set1	1.699	0	0.00	NA	NA	NA	22
M_0.8_F_h_Set2	1.682	0	0.25	NA	NA	NA	57
M_0.8_F_lq_Set1	1.617	0	0.25	266.383	13.413	0.000	5
M_0.8_F_lq_Set2	1.626	0	0.25	261.548	8.579	0.000	3
M_0.8_F_lp_Set1	1.667	0	0.50	264.618	11.649	0.000	4
M_0.8_F_lp_Set2	1.651	0	0.25	255.269	2.299	0.001	1
M_0.8_F_lt_Set1	1.786	0	0.25	NA	NA	NA	13
M_0.8_F_lt_Set2	1.558	0	0.50	260.156	7.186	0.000	6
M_0.8_F_lh_Set1	1.710	0	0.00	NA	NA	NA	22
M_0.8_F_lh_Set2	1.681	0	0.25	NA	NA	NA	58
M_0.8_F_qp_Set1	1.663	0	0.50	257.463	4.493	0.000	2
M_0.8_F_qp_Set2	1.660	0	0.25	255.269	2.299	0.001	1
M_0.8_F_qt_Set1	1.796	0	0.25	NA	NA	NA	13
M_0.8_F_qt_Set2	1.579	0	0.50	260.481	7.511	0.000	6
M_0.8_F_qh_Set1	1.704	0	0.00	NA	NA	NA	22
M_0.8_F_qh_Set2	1.685	0	0.25	NA	NA	NA	57
M_0.8_F_pt_Set1	1.792	0	0.25	NA	NA	NA	14
M_0.8_F_pt_Set2	1.519	0	0.25	260.156	7.186	0.000	6
M_0.8_F_ph_Set1	1.708	0	0.00	NA	NA	NA	24
M_0.8_F_ph_Set2	1.679	0	0.25	NA	NA	NA	37
M_0.8_F_th_Set1	1.705	0	0.50	NA	NA	NA	14
M_0.8_F_th_Set2	1.614	0	0.50	NA	NA	NA	56
M_0.8_F_lqp_Set1	1.656	0	0.50	264.612	11.643	0.000	4
M_0.8_F_lqp_Set2	1.659	0	0.25	255.269	2.299	0.001	1
M_0.8_F_lqt_Set1	1.804	0	0.25	NA	NA	NA	14
M_0.8_F_lqt_Set2	1.584	0	0.50	260.481	7.511	0.000	6
M_0.8_F_lqh_Set1	1.705	0	0.00	NA	NA	NA	22
M_0.8_F_lqh_Set2	1.683	0	0.25	NA	NA	NA	51
M_0.8_F_lpt_Set1	1.775	0	0.25	NA	NA	NA	14

M_0.8_F_lpt_Set2	1.513	0	0.25	260.156	7.186	0.000	6
M_0.8_F_lph_Set1	1.716	0	0.00	NA	NA	NA	19
M_0.8_F_lph_Set2	1.684	0	0.25	NA	NA	NA	33
M_0.8_F_lth_Set1	1.712	0	0.50	NA	NA	NA	14
M_0.8_F_lth_Set2	1.608	0	0.50	NA	NA	NA	56
M_0.8_F_qpt_Set1	1.779	0	0.25	NA	NA	NA	15
M_0.8_F_qpt_Set2	1.515	0	0.25	268.888	15.919	0.000	7
M_0.8_F_qph_Set1	1.711	0	0.00	NA	NA	NA	20
M_0.8_F_qph_Set2	1.682	0	0.25	NA	NA	NA	47
M_0.8_F_qth_Set1	1.699	0	0.50	NA	NA	NA	14
M_0.8_F_qth_Set2	1.612	0	0.50	NA	NA	NA	63
M_0.8_F_pth_Set1	1.710	0	0.50	NA	NA	NA	14
M_0.8_F_pth_Set2	1.603	0	0.50	NA	NA	NA	56
M_0.8_F_lqpt_Set1	1.786	0	0.25	NA	NA	NA	15
M_0.8_F_lqpt_Set2	1.543	0	0.25	268.888	15.919	0.000	7
M_0.8_F_lqph_Set1	1.713	0	0.00	NA	NA	NA	20
M_0.8_F_lqph_Set2	1.683	0	0.25	NA	NA	NA	45
M_0.8_F_lqth_Set1	1.709	0	0.50	NA	NA	NA	14
M_0.8_F_lqth_Set2	1.623	0	0.50	NA	NA	NA	63
M_0.8_F_lpth_Set1	1.710	0	0.50	NA	NA	NA	14
M_0.8_F_lpth_Set2	1.618	0	0.50	NA	NA	NA	56
M_0.8_F_qpth_Set1	1.703	0	0.50	NA	NA	NA	14
M_0.8_F_qpth_Set2	1.619	0	0.50	NA	NA	NA	56
M_0.8_F_lqpth_Set1	1.706	0	0.50	NA	NA	NA	14
M_0.8_F_lqpth_Set2	1.614	0	0.50	NA	NA	NA	56
M_0.9_F_l_Set1	1.632	0	0.25	262.101	9.132	0.000	3
M_0.9_F_l_Set2	1.626	0	0.25	258.836	5.866	0.000	2
M_0.9_F_q_Set1	1.598	0	0.25	271.215	18.245	0.000	5
M_0.9_F_q_Set2	1.598	0	0.25	263.105	10.135	0.000	3