

K	$\Sigma$	$\beta_k$	Interact.	Cens.	Main	True	AIC <sub>A</sub>	AIC <sub>B</sub>	Sig	Full
36	$\Sigma_1$	$\beta_{eq}$	no	low	0	36	20.6	20.1	10.6	36
36	$\Sigma_2$	$\beta_{eq}$	no	low	0	36	18.2	19.2	36.0	36
36	$\Sigma_3$	$\beta_{eq}$	no	low	0	36	20.0	20.9	27.2	36
36	$\Sigma_1$	$\beta_{eq}$	quant.	low	0	36	20.5	19.8	10.3	36
36	$\Sigma_2$	$\beta_{eq}$	quant.	low	0	36	18.3	19.2	36.0	36
36	$\Sigma_3$	$\beta_{eq}$	quant.	low	0	36	19.9	20.9	27.1	36
36	$\Sigma_1$	$\beta_{eq}$	qual.	low	0	36	20.3	19.0	9.9	36
36	$\Sigma_2$	$\beta_{eq}$	qual.	low	0	36	18.2	19.2	36.0	36
36	$\Sigma_3$	$\beta_{eq}$	qual.	low	0	36	19.9	20.8	27.1	36
36	$\Sigma_1$	$\beta_v$	no	low	0	24	20.4	20.1	12.5	36
36	$\Sigma_2$	$\beta_v$	no	low	0	24	17.6	18.3	36.0	36
36	$\Sigma_3$	$\beta_v$	no	low	0	24	19.2	19.8	27.4	36
36	$\Sigma_1$	$\beta_v$	quant.	low	0	24	20.5	20.0	12.4	36
36	$\Sigma_2$	$\beta_v$	quant.	low	0	24	17.6	18.3	36.0	36
36	$\Sigma_3$	$\beta_v$	quant.	low	0	24	19.1	19.9	27.3	36
36	$\Sigma_1$	$\beta_v$	qual.	low	0	24	20.4	19.6	11.9	36
36	$\Sigma_2$	$\beta_v$	qual.	low	0	24	17.6	18.3	36.0	36
36	$\Sigma_3$	$\beta_v$	qual.	low	0	24	19.0	19.9	27.2	36
36	$\Sigma_1$	$\beta_{eq}$	no	high	0	36	15.6	15.4	7.4	36
36	$\Sigma_2$	$\beta_{eq}$	no	high	0	36	15.2	16.0	36.0	36
36	$\Sigma_3$	$\beta_{eq}$	no	high	0	36	14.9	15.6	26.0	36
36	$\Sigma_1$	$\beta_{eq}$	quant.	high	0	36	15.7	15.4	7.5	36
36	$\Sigma_2$	$\beta_{eq}$	quant.	high	0	36	15.1	16.1	36.0	36
36	$\Sigma_3$	$\beta_{eq}$	quant.	high	0	36	14.8	15.7	26.1	36
36	$\Sigma_1$	$\beta_{eq}$	qual.	high	0	36	15.5	14.9	7.1	36
36	$\Sigma_2$	$\beta_{eq}$	qual.	high	0	36	15.2	16.1	36.0	36
36	$\Sigma_3$	$\beta_{eq}$	qual.	high	0	36	15.0	16.0	26.1	36
36	$\Sigma_1$	$\beta_v$	no	high	0	24	17.3	17.1	9.6	36
36	$\Sigma_2$	$\beta_v$	no	high	0	24	15.0	15.6	36.0	36
36	$\Sigma_3$	$\beta_v$	no	high	0	24	15.5	16.1	26.2	36
36	$\Sigma_1$	$\beta_v$	quant.	high	0	24	17.2	16.9	9.5	36
36	$\Sigma_2$	$\beta_v$	quant.	high	0	24	15.0	15.8	36.0	36
36	$\Sigma_3$	$\beta_v$	quant.	high	0	24	15.6	16.3	26.2	36
36	$\Sigma_1$	$\beta_v$	qual.	high	0	24	17.1	16.6	9.5	36
36	$\Sigma_2$	$\beta_v$	qual.	high	0	24	15.1	15.9	36.0	36
36	$\Sigma_3$	$\beta_v$	qual.	high	0	24	16.3	17.1	26.5	36

Table S.3: Mean number of additionally included prognostic variables for all scenarios with  $K = 36$ .