

SUPPLEMENTARY FILE 2

Table S1: calculated log-likelihoods and BICs of the three regression models OLM, REM and VCM for all possible combinations of covariates applied to BT1 and BT3.

OLM	BT1		BT3	
Model	logLik	BIC	logLik	BIC
.s	-52013.93	104056.49	-50342.61	100713.85
.y	-51861.52	103751.67	-50414.53	100857.69
.lo	-52213.56	104455.74	-50485.85	101000.32
.la	-52252.65	104533.92	-50560.91	101150.44
.sy	-51575.03	103188.23	-50177.57	100393.30
.lao	-52190.31	104418.78	-50476.08	100990.33
.sla	-52011.9	104062.0	-50331.68	100701.52
.slo	-51966.23	103970.62	-50267.28	100572.74
.yla	-51806.73	103651.63	-50401.72	100841.61
.ylo	-51835.1	103708.4	-50356.59	100751.36
.ylao	-51759.36	103566.43	-50328.26	100704.23
.slao	-51966.17	103980.05	-50265.64	100579.00
.sylao	-51534.08	103125.41	-50120.6	100298.5
.sylaoSE	-51512.62	103101.59	-50098.79	100273.92
.slaloSE	-51958.38	103983.56	-50254.97	100576.74
REM				
.ry	-51780.74	103590.10	-50300.03	100628.69
.rlo	-52231.36	104491.34	-50545.55	101119.73
.rla	-52162.08	104352.79	-50534.63	101097.89
.sry	-51500.95	103040.07	-50061.35	100160.87
.srlo	-51991.02	104020.21	-50330.84	100699.85
.srla	-51935.35	103908.86	-50328.4	100695.0
.sryla	-51467.52	102982.76	-50049.0	100145.7
.srlao	-51926.24	103900.19	-50317.76	100683.24
.srylo	-51493.0	103033.7	-50052.66	100153.04
.srylalo	-51463.86	102984.97	-50042.18	100141.62
.sralloSE	-51444.8	102965.9	-50024.31	100124.95
VCM				
.ylloa_12	-51445.91	102977.71	-50097.36	100280.60
.ylloa_13	-51434.08	102992.21	-50093.36	100310.78
.ylloa_14	-51426.82	103025.39	-50086.65	100345.07
.ylloa_21	-51513.53	103093.86	-50102.0	100270.8
.ylloa_31	-51454.21	102984.77	-50053.61	100183.57
.ylloa_41	-51437.81	102961.51	-50029.45	100144.78
.ylloa_22	-51435.77	102966.96	-50084.58	100264.58
.ylloa_23	-51423.15	102979.90	-50080.12	100293.83
.ylloa_24	-51416.27	103013.85	-50073.22	100327.75
.ylloa_32	-51387.91	102880.78	-50040.97	100186.90
.ylloa_42	-51361.76	102838.04	-50011.66	100137.82
.ylloa_33	-51369.19	102881.51	-50035.11	100213.36
.ylloa_34	-51365.52	102921.89	-50027.63	100246.11
.ylloa_43	-51340.59	102833.86	-50005.01	100162.70
.ylloa_44	-51336.24	102872.86	-49998.2	100196.8
SE				
.ylloa_43SE	-51327.5	102826.8	-49991.01	100153.79
.ylloa_42SE	-51346.67	102826.93	-49995.98	100125.54
.ylloa_12SE	-51426.38	102957.72	-50076.91	100258.79
.ylloa_13SE	-51416.4	102975.9	-50074.34	100291.82
.ylloa_14SE	-51406.84	103004.53	-50067.09	100325.04
.ylloa_21SE	-51494.85	103075.58	-50082.28	100250.43
.ylloa_31SE	-51435.2	102965.86	-50034.03	100163.49
.ylloa_41SE	-51420.3	102945.6	-50011.92	100128.80
.ylloa_22SE	-51418.13	102950.77	-50065.73	100245.96
.ylloa_23SE	-51407.43	102967.53	-50062.7	100278.1
.ylloa_24SE	-51398.22	102996.84	-50055.14	100310.66
.ylloa_32SE	-51370.72	102865.49	-50022.71	100169.46
.ylloa_33SE	-51354.44	102871.11	-50018.87	100199.96
.ylloa_34SE	-51348.89	102907.72	-50010.97	100231.87
.ylloa_44SE	-51321.49	102862.45	-49983.98	100187.44