

**Supplemental Table 5: Statistical analysis of the quadrivariate model**

Parameter	Model	df	Model	AIC	-2LL	vs	$\Delta\chi^2$	$\Delta$ df	p	Frequency	A	E
Tp_Te	1	1104	AE	90.320	2298.320					Low	0.56 (0.32-0.73)	0.44 (0.27-0.68)
										Medium	0.63 (0.36-0.79)	0.37 (0.21-0.64)
										High	0.52 (0.21-0.73)	0.48 (0.27-0.79)
										Resting	0.56 (0.30-0.72)	0.44 (0.28-0.70)
	<b>2</b>	<b>1107</b>	<b>low=medium=high=resting</b>	<b>86.672</b>	<b>2300.672</b>	<b>1</b>	<b>2.352</b>	<b>3</b>	<b>.503</b>			
	<b>3</b>	<b>1105</b>	<b>low=resting</b>	<b>88.320</b>	<b>2298.320</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>.995</b>			
	<b>4</b>	<b>1105</b>	<b>medium=resting</b>	<b>89.000</b>	<b>2299.000</b>	<b>1</b>	<b>0.681</b>	<b>1</b>	<b>.409</b>			
	<b>5</b>	<b>1105</b>	<b>high=resting</b>	<b>88.415</b>	<b>2298.415</b>	<b>1</b>	<b>0.096</b>	<b>1</b>	<b>.757</b>			
<b>6</b>	<b>1106</b>	<b>low=medium=high</b>	<b>88.648</b>	<b>2300.648</b>	<b>1</b>	<b>2.329</b>	<b>2</b>	<b>.312</b>				
<b>7</b>	<b>1105</b>	<b>low=high</b>	<b>88.419</b>	<b>2298.419</b>	<b>1</b>	<b>0.1000</b>	<b>1</b>	<b>.752</b>				
<b>8</b>	<b>1105</b>	<b>medium=high</b>	<b>90.073</b>	<b>2300.073</b>	<b>1</b>	<b>1.754</b>	<b>1</b>	<b>.185</b>				
QT	1	1104	AE	2038.801	4246.801					Low	0.69 (0.48-0.82)	0.31 (0.18-0.52)
										Medium	0.58 (0.33-0.75)	0.42 (0.25-0.67)
										High	0.34 (0.14-0.53)	0.66 (0.47-0.86)
										Resting	0.40 (0.18-0.58)	0.60 (0.42-0.82)
	<b>2</b>	<b>1107</b>	<b>low=medium=high=resting</b>	<b>2051.523</b>	<b>4265.523</b>	<b>1</b>	<b>18.722</b>	<b>3</b>	<b>.000</b>			
	<b>3</b>	<b>1105</b>	<b>low=resting</b>	<b>2047.349</b>	<b>4257.349</b>	<b>1</b>	<b>10.548</b>	<b>1</b>	<b>.001</b>			
	<b>4</b>	<b>1105</b>	<b>medium=resting</b>	<b>2041.619</b>	<b>4251.619</b>	<b>1</b>	<b>4.819</b>	<b>1</b>	<b>.028</b>			
	<b>5</b>	<b>1105</b>	<b>high=resting</b>	<b>2037.257</b>	<b>4247.257</b>	<b>1</b>	<b>0.456</b>	<b>1</b>	<b>.499</b>			
<b>6</b>	<b>1106</b>	<b>low=medium=high</b>	<b>2050.834</b>	<b>4262.834</b>	<b>1</b>	<b>16.033</b>	<b>2</b>	<b>.000</b>				
<b>7</b>	<b>1105</b>	<b>low=high</b>	<b>2049.598</b>	<b>4259.598</b>	<b>1</b>	<b>12.797</b>	<b>1</b>	<b>.000</b>				
<b>8</b>	<b>1105</b>	<b>medium=high</b>	<b>2045.416</b>	<b>4255.416</b>	<b>1</b>	<b>8.616</b>	<b>1</b>	<b>.003</b>				
Th	1	1104	AE	-1753.587	454.413					Low	0.72 (0.53-0.83)	0.28 (0.17-0.47)
										Medium	0.68 (0.49-0.80)	0.32 (0.20-0.51)
										High	0.58 (0.36-0.73)	0.42 (0.27-0.64)
										Resting	0.55 (0.31-0.71)	0.45 (0.29-0.69)
	<b>2</b>	<b>1107</b>	<b>low=medium=high=resting</b>	<b>-1751.869</b>	<b>462.131</b>	<b>1</b>	<b>7.717</b>	<b>3</b>	<b>.052</b>			
	<b>3</b>	<b>1105</b>	<b>low=resting</b>	<b>-1750.011</b>	<b>459.989</b>	<b>1</b>	<b>5.575</b>	<b>1</b>	<b>.018</b>			
	<b>4</b>	<b>1105</b>	<b>medium=resting</b>	<b>-1751.779</b>	<b>458.221</b>	<b>1</b>	<b>3.807</b>	<b>1</b>	<b>.051</b>			
	<b>5</b>	<b>1105</b>	<b>high=resting</b>	<b>-1755.411</b>	<b>454.589</b>	<b>1</b>	<b>0.176</b>	<b>1</b>	<b>.675</b>			
<b>6</b>	<b>1106</b>	<b>low=medium=high</b>	<b>-1752.387</b>	<b>459.613</b>	<b>1</b>	<b>5.200</b>	<b>2</b>	<b>.074</b>				
<b>7</b>	<b>1105</b>	<b>low=high</b>	<b>-1751.453</b>	<b>458.547</b>	<b>1</b>	<b>4.134</b>	<b>1</b>	<b>.042</b>				
<b>8</b>	<b>1105</b>	<b>medium=high</b>	<b>-1750.799</b>	<b>459.201</b>	<b>1</b>	<b>4.788</b>	<b>1</b>	<b>.029</b>				

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QRS	1	1104	AE	-599.646	1608.354					Low	0.41 (0.10-0.64)	0.59 (0.36-0.90)
										Medium	0.41 (0.13-0.63)	0.59 (0.37-0.87)
										High	0.42 (0.14-0.62)	0.58 (0.38-0.86)
										Resting	0.32 (0.07-0.55)	0.68 (0.45-0.93)
	<b>2</b>	<b>1107</b>	<b>low=medium=high=resting</b>	<b>-603.382</b>	<b>1610.618</b>	<b>1</b>	<b>2.263</b>	<b>3</b>	<b>.520</b>			
	<b>3</b>	<b>1105</b>	<b>low=resting</b>	<b>-600.656</b>	<b>1609.344</b>	<b>1</b>	<b>0.990</b>	<b>1</b>	<b>.320</b>			
	<b>4</b>	<b>1105</b>	<b>medium=resting</b>	<b>-599.579</b>	<b>1610.421</b>	<b>1</b>	<b>2.067</b>	<b>1</b>	<b>.150</b>			
	<b>5</b>	<b>1105</b>	<b>high=resting</b>	<b>-599.832</b>	<b>1610.168</b>	<b>1</b>	<b>1.813</b>	<b>1</b>	<b>.178</b>			
	<b>6</b>	<b>1106</b>	<b>low=medium=high</b>	<b>-603.624</b>	<b>1608.376</b>	<b>1</b>	<b>.022</b>	<b>2</b>	<b>.989</b>			
	<b>7</b>	<b>1105</b>	<b>low=high</b>	<b>-601.624</b>	<b>1608.376</b>	<b>1</b>	<b>.022</b>	<b>1</b>	<b>.883</b>			
	<b>8</b>	<b>1105</b>	<b>medium=high</b>	<b>-601.641</b>	<b>1608.359</b>	<b>1</b>	<b>.004</b>	<b>1</b>	<b>.947</b>			

*df* = degrees of freedom; Model = specification of the model that is tested; AIC = Akaike's Information Criterion; -2LL = minus twice the logarithm of the likelihood; vs = the model against which this submodel is tested;  $\Delta\chi^2$  = model fit statistic: difference in -2LL of two nested models;  $\Delta df$  = difference in the number of parameters between the two models; p = p-value; A and E = proportions of variance explained by additive and unique environmental effects for the most parsimonious AE model.