

**Simulated**

	$\Delta B$	$\Omega$	$\Delta DIC_{null}$	$DIC_{best}$
I	$v$	$a$	$-29.85 \pm 12.76$	$-4.49 \pm 5.91$
II	$a$	$v$	$-23.94 \pm 22.56$	$-10.40 \pm 11.22$
III	$-$	$v$	$-6.16 \pm 4.24$	$-28.19 \pm 13.62$
IV	$v$	$-$	$-22.60 \pm 7.28$	$-11.74 \pm 14.80$
V	$-$	$a$	$-7.04 \pm 11.06$	$-27.30 \pm 8.16$
VI	$a$	$-$	$-17.72 \pm 21.49$	$-16.62 \pm 11.88$
VII	$-$	$-$	$0.00 \pm 0.00$	$-34.34 \pm 15.97$

**Human**

	$\Delta B$	$\Omega$	$\Delta DIC_{null}$	$\Delta DIC_{best}$
I	$v$	$a$	$-14.90 \pm 20.58$	$-1.52 \pm 1.04$
II	$a$	$v$	$-0.44 \pm 1.11$	$-15.99 \pm 18.56$
III	$-$	$v$	$-1.47 \pm 1.30$	$-14.96 \pm 18.56$
IV	$v$	$-$	$-13.80 \pm 16.61$	$-2.63 \pm 3.62$
V	$-$	$a$	$-1.03 \pm 4.46$	$-15.40 \pm 15.60$
VI	$a$	$-$	$1.00 \pm .071$	$-17.42 \pm 19.52$
VII	$-$	$-$	$0.00 \pm 0.00$	$-16.43 \pm 19.53$

**Supplementary File 1. Model fits.** Group-level Deviance Information Criterion (DIC) values for regression models tested.