Posterior samples with raw clusters of hdp.1 20 -19 -18 **-**17 -16 -15 **-**14 -13 -12 -Chain - 01 C 9 -8 -7 -6 -5 -4 -3 -2 -1 -50 100 150 200 0 Posterior Sample

Posterior samples with raw clusters of hdp.2 20 -19 -18 **-**17 -16 -15 **-**14 -13 -12 -Chain - 01 C 9 -8 -7 -6 -5 -4 -3 -2 -1 -50 100 150 200 0 Posterior Sample

Posterior samples with raw clusters of hdp.3 20 -19 -18 **-**17 -16 -15 **-**14 -13 -12 -Chain - 01 C 9 -8 -7 -6 -5 -4 -3 -2 -1 -50 100 150 200 0 Posterior Sample

Posterior samples with raw clusters of hdp.4 20 -19 -18 **-**17 -16 -15 **-**14 -13 -12 -Chain - 01 C 9 -8 -7 -6 -5 -4 -3 -2 -1 -50 100 150 200 0 Posterior Sample

Posterior samples with raw clusters of hdp.5 20 -19 -18 **-**17 -16 -15 **-**14 -13 -12 -Chain - 01 C 9 -8 -7 -6 -5 -4 -3 -2 -1 -50 100 150 200 0 Posterior Sample

Posterior samples with raw clusters of hdp.6 20 -19 -18 **-**17 -16 -15 **-**14 -13 -12 -Chain - 01 C 9 -8 -7 -6 -5 -4 -3 -2 -1 -50 100 150 200 0 Posterior Sample

Posterior samples with raw clusters of hdp.7 20 -19 -18 **-**17 -16 -15 **-**14 -13 -12 -Chain - 01 C 9 -8 -7 -6 -5 -4 -3 -2 -1 -50 100 150 200 0 Posterior Sample

Posterior samples with raw clusters of hdp.8 20 -19 -18 **-**17 -16 -15 **-**14 -13 -12 -Chain - 01 C 9 -8 -7 -6 -5 -4 -3 -2 -1 -50 100 150 200 0 Posterior Sample

Posterior samples with raw clusters of hdp.9 20 -19 -18 **-**17 -16 -15 **-**14-13 -12 -Chain - 01 C 9 -8 -7 -6 -5 -4 -3 -2 -1 -50 100 150 200 0 Posterior Sample

Posterior samples with raw clusters of hdp.10 20 -19 -18 **-**17 -16 -15 **-**14-13 -12 -Chain - 01 C 9 -8 -7 -6 -5 -4 -3 -2 -1 -50 100 150 200 0 Posterior Sample

Posterior samples with raw clusters of hdp.11 20 -19 -18 **-**17 -16 -15 **-**14 -13 -12 -Chain - 01 C 9 -8 -7 -6 -5 -4 -3 -2 -1 -50 100 150 200 0 Posterior Sample

Posterior samples with raw clusters of hdp.12 20 -19 -18 **-**17 -16 -15 **-**14 -13 -12 -Chain - 01 C 9 -8 -7 -6 -5 -4 -3 -2 -1 -50 100 150 200 0 Posterior Sample

Posterior samples with raw clusters of hdp.13 20 -19 -18 **-**17 -16 -15 **-**14 -13 -12 -Chain - 01 C 9 -8 -7 -6 -5 -4 -3 -2 -1 -50 100 150 200 0 Posterior Sample

Posterior samples with raw clusters of hdp.14 20 -19 -18 **-**17 -16 -15 **-**14 -13 -12 -Chain - 01 C 9 -8 -7 -6 -5 -4 -3 -2 -1 -50 100 150 200 0 Posterior Sample

Posterior samples with raw clusters of hdp.15 20 -19 -18 **-**17 -16 -15 **-**14-13 -12 -Chain - 01 C 9 -8 -7 -6 -5 -4 -3 -2 -1 -50 100 150 200 0 Posterior Sample

Posterior samples with raw clusters of hdp.16 20 -19 -18 **-**17 -16 -15 **-**14-13 -12 -Chain - 01 C 9 -8 -7 -6 -5 -4 -3 -2 -1 -50 100 150 200 0 Posterior Sample

Posterior samples with raw clusters of hdp.17 20 -19 -18 **-**17 -16 -15 **-**14 -13 -12 -Chain - 01 C 9 -8 -7 -6 -5 -4 -3 -2 -1 -50 100 150 200 0 Posterior Sample

Posterior samples with raw clusters of hdp.18 20 -19 -18 **-**17 -16 -15 **-**14 -13 -12 -Chain - 01 C 9 -8 -7 -6 -5 -4 -3 -2 -1 -50 100 150 200 0 Posterior Sample

Posterior samples with raw clusters of hdp.19 20 -19 -18 **-**17 -16 -15 **-**14 -13 -12 -Chain - 01 C 9 -8 -7 -6 -5 -4 -3 -2 -1 -50 100 150 200 0 Posterior Sample

Posterior samples with raw clusters of hdp.20 20 -19 -18 **-**17 -16 -15 **-**14 -13 -12 -Chain - 01 C 9 -8 -7 -6 -5 -4 -3 -2 -1 -50 100 150 200 0 Posterior Sample

Posterior samples with raw clusters of hdp.21 20 -19 -17 -16**-**15 -14 -13 **-**12 -11 -Chain - 01 9 -8 -7 -6 -5 -3 -2 -1 -50 100 200 150 0 Posterior Sample

Posterior samples with raw clusters of hdp.22 20 -19 -18 -17 -16 -15 -14 -13 -12 -Chain - 01 C 9 -8 -7 -6 -5 -4 -3 -2 -1 -50 100 150 200 0 Posterior Sample

Posterior samples with raw clusters of hdp.23 20 -19 -18 **-**17 -16 -15 **-**14 -13 -12 -Chain - 01 C 9 -8 -7 -6 -5 -3 -2 -1 -50 100 150 200 0 Posterior Sample