

Table S2. Value of the estimated parameters for each subject.

| subject | df | $p-r^2$ | no. choices | $-\log p(D M, \Theta^{\text{ML}})$ | β_1 | η_1 | ϕ | k_2 |
|---------|----|---------|-------------|------------------------------------|-----------|----------|--------|-------|
| 0 | 4 | 0.255 | 244 | 128.08 | 1.9594 | 0.832 | 1.265 | 0.662 |
| 1 | 4 | 0.303 | 214 | 105.000 | 2.082 | 0.717 | 2.444 | 0.808 |
| 2 | 4 | 0.1833 | 264 | 150.594 | 1.632 | 0.755 | 2.130 | 0.670 |
| 3 | 4 | 0.317 | 206 | 98.936 | 1.902 | 0.748 | 2.607 | 0.650 |
| 4 | 4 | 0.064 | 286 | 188.287 | 0.972 | 0.756 | 1.916 | 0.460 |
| 5 | 4 | 0.197 | 272 | 152.832 | 1.597 | 0.667 | 2.310 | 0.653 |
| 6 | 4 | 0.190 | 296 | 168.495 | 1.376 | 0.821 | 2.300 | 0.931 |
| 7 | 4 | 0.151 | 252 | 149.657 | 1.258 | 0.772 | 2.219 | 0.616 |