Supplementary file 5 *Brain activity no reported in the text.*

|  |  |  |
| --- | --- | --- |
| **GLM** | **ROI** | **Statistics** (cluster level correction) |
| GLM0*Highest reward - Lower Reward*  | PCC (8, -44, 28)PCC (-6, -22, 42)mOFC (-10, 60, 16) | *p* < 0.001*p* < 0.001*p* = 0.037 |
| GLM1 (Beta > 0)*Parametric Modulator: RelReward* | PCC (-8, -50, 28) | *p* < 0.001 |
| GLM2 (Beta > 0)*Parametric Modulator: Information Gain* | right aInsula (34, 22, -8)left aInsula (-34, 20, 6)right dLPFC (42, 16, 40) | *p* < 0.01*p* < 0.05 *p* = 0.001  |
| GLM2 (Beta < 0)*Parametric Modulator: Information Gain* | PCC (-10, -34, 46) | *p* < 0.001 |
| GLM8 (Beta > 0)*Parametric Modulator: Softmax probabilities*  | PCC (-10, -32, 58) | *p* < 0.002 |