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

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| **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 |