Supplementary Table 1

Subject	Session ID	ACC neurons	OFC neurons
C	rec09	—	29
	rec11	23	—
	rec16	22	31
	rec33	—	33
	rec36	—	33
	rec41	—	38
	rec42	—	52
	rec60	107	42
	rec61	92	46
	rec62	60	17
	rec63	41	44
	rec65	47	34
	rec66	61	55
	total:	*453*	*454*
G	rec28	99	107
	rec29	128	70
	rec31	112	95
	rec32	83	85
	rec33	95	72
	total:	*517*	*429*

■ good value & direction decoding

■ good value decoding

Number of recording sessions and neurons recorded per session in the two subjects. Only sessions with >60% accuracy in direction decoding (chance = 50%) and/or >40% accuracy in value decoding (chance = 25%) were included in the analyses.

Frequency and duration of value states as a function of maximum value and value difference

	Chosen states				Unchosen states			
	C		G		C		G	
	OFC	ACC	OFC	ACC	OFC	ACC	OFC	ACC
Number of states per trial								
Maximum value	-0.05	0.02	0.25*	0.19*	-0.22*	-0.34*	-0.16*	-0.23*
Value difference	0.01	0.05	-0.05	-0.03	0.00	0.01	-0.11*	-0.01
Duration of each state								
Maximum value	5.1*	12.43*	11*	9.08*	-6.6*	-11.52*	-7.0*	-5.67*
Value difference	-0.05	0.89	-1.3	-1.1	-3.2*	-9.08*	-7.4*	-5.48*

Numbers refer to beta coefficients, * = $p < 0.01$