Supplementary information

Mesolimbic dopamine adapts the rate of learning from action

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	trace conditioning group				cued VTA-DA stimulation	
	(Fig. 1, 2, 4, 5)			(Ext. Fig. 4)	(Fig. 3)	
mouse	control	stimLick+	stimLick-	stim. at cue	reg. stim.	large stim.
1	x				x	
2	х					
3			x			х
4	х					х
5			x		х	
6	x					x
7		×				x
8		x			х	
9	х				x	
10			x		х	
11	x					x
12		×			x	
13		x		X		x
14			x			x
15	x			x	х	
16	x			X	x	
17		x		X	x	
18			х		х	
19	х					
20			х	х	х	

Supplementary Table 1. Successive experimental group membership for each mouse. Mice #21-24 are not included above as they were only used for a single experiment, the stim+Lick+ experiments in Fig. 5g-i