

**Supplementary Table S2.** Raw data for the birds (ID) tested in each sleep protocol (undisturbed sleep [US]; 6-h sleep deprivation [6SD]; 12-h sleep deprivation [12SD]). For the colour association task (CA), the table shows number of attempts each bird did on the task before each treatment. For the reversal learning task (RL), the table shows latency to make a first choice (in seconds), number of attempts, number of attempts until reaching success criterion (10 out of 12 correct choices within three hours), the fraction of correct choices on the task, and whether each bird passed or failed the task.

ID	Sleep protocol	CA attempts until criterion	RL latency to first choice	RL number of attempts	RL attempts until criterion	RL fraction of correct choices	RL pass-or-fail
Taylor	US	12	16	28	28	0.643	pass
Darcy	US	10	22	12	.	0.250	fail
Varcoe	US	12	60	27	27	0.667	pass
Goldsack	US	10	30	11	.	0.364	fail
Grundy	US	25	27	17	17	0.765	pass
Swan	US	11	13	57	57	0.614	pass
DeGoey	US	13	8	49	49	0.551	pass
Cox	US	12	29	31	.	0.323	fail
Treloar	US	11	11	40	40	0.550	pass
Darcy	6SD	12	53	26	.	0.385	fail
Varcoe	6SD	13	126	25	25	0.480	pass
Grundy	6SD	13	6	48	48	0.521	pass
Swan	6SD	10	8	34	34	0.618	pass
DeGoey	6SD	12	5	47	47	0.553	pass
Treloar	6SD	10	10	45	45	0.689	pass
Darcy	12SD	10	33	8	.	0.250	fail
Varcoe	12SD	32	69	2	.	0.500	fail
Goldsack	12SD	12	.	0	.	0.000	fail
Grundy	12SD	12	72	24	.	0.500	fail
Swan	12SD	12	13	65	65	0.569	pass
DeGoey	12SD	10	13	15	.	0.067	fail
Cox	12SD	32	269	6	.	0.167	fail
Treloar	12SD	11	934	7	.	0.143	fail