

The European starling (*Sturnus vulgaris*) shows signs of NREM sleep homeostasis but has very little REM sleep and no REM sleep homeostasis

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		Day 1				Day 2				Day 3			
		12 Dark		12 Light		12 Dark		12 Light		12 Dark		12 Light	
		mean	SEM	mean	SEM	mean	SEM	mean	SEM	mean	SEM	mean	SEM
Control	NREM (min)	593.0	17.7	63.5	16.7	595.7	16.7	71.1	16.1	586.0	17.4	52.8	15.6
	REM (min)	6.8	1.7			4.1	1.1	0.1	NA	5.1	1.9		
4 SD	NREM (min)	621.1	9.4	78.6	25.4	429.8 ^{b1}	9.9	153.3 ^{b1}	28.2	599.0 ³	18.4	103.9	27.7
	REM (min)	6.4	2.2	1.7	NA	2.3	1.0	0.1	0.1	8.0	3.2	0.1	NA
8 SD	NREM (min)	596.0	12.1	48.5	13.9	221.1 ^{ac1}	4.4	142.5 ^{c1}	22.5	583.7 ³	18.7	67.1 ³	19.0
	REM (min)	10.3	3.0	0.1	NA	0.7 ^{b1}	0.4			7.7 ³	2.8	0.4	0.1

Table S1. Average minutes of NREM and REM sleep for all three groups during 12 h dark and 12 h light phase for the three recording days. Empty cells indicate that no REM sleep was scored during that light phase. When mean REM sleep duration is based on a single recording due to lack of REM epochs in other recordings from the same group, then no standard error of the mean (SEM) could be calculated (NA). In superscript are the results of a two-way ANOVA. Significant differences between treatments within days are indicated by letters (a = 8SD vs. Control, b = 4SD vs. C, c = 8SD vs. 4SD). Differences between days within treatment are indicated by numbers (1 = Day 2 vs. Day1, 2 = Day 3 vs. Day 1, 3 = Day 3 vs. Day 2). No statistics could be computed for REM sleep during the 12h light phase because most birds did not display REM sleep during this phase.