

Supplemental Table 1: Summary of animals, cannula placement, and conditions. All cannula were within 1mm of the midline.

BirdID	Experiment	Nest	Infusion	Rostral/caudal (μm)		Depth (μm)		Hit/miss	Condition
				Left	Right	Left	Right		
p25y73	Naïve	A2	NE	384	288	1156	981	bilateral hit	NE
p20y78	Naïve	A2	PBS	391	348	1073	894	bilateral hit	Control
bk59pi49	Naïve	A4	NE	645	658	1094	1124	bilateral hit	NE
bk60pi50	Naïve	A4	PBS	642	576	n/a	n/a	bilateral hit	Control
y69gy64	Naïve	A7	NE	400	311	912	999	bilateral hit	NE
y11gy76	Naïve	A7	NE	451	354	1187	1161	bilateral hit	NE
y12gy77	Naïve	A7	PBS	320	405	1110	984	bilateral hit	Control
y13g76	Naïve	A9	NE	253	313	761	802	bilateral hit	NE
y14g77	Naïve	A9	NE	261	426	813	1044	bilateral hit	NE
gy7g73	Naïve	A11	NE	452	564	1158	1193	bilateral hit	NE
w62b62	Naïve	A14	PBS	225	352	797	991	bilateral hit	Control
p10y77	Naïve	A2	NE	1099	988	702	779	bilateral miss	Control
p62gy75	Naïve	A3	NE	1195	1105	780	808	bilateral miss	Control
g13g93	Sequential	B1	NE	489	255	1046	1003	bilateral hit	NE
g5g95	Sequential	B1	NE	254	475	877	1032	bilateral hit	NE
g4g94	Sequential	B1	NE	449	517	1054	1080	bilateral hit	NE
g6gy56	Sequential	B5	NE	288	332	889	867	bilateral hit	NE
g7gy57	Sequential	B5	PBS	420	327	900	906	bilateral hit	Control
g51w17	Sequential	B9	PBS	412	378	1116	983	bilateral hit	Control
g52bl48	Sequential	B10	NE	502	468	996	971	bilateral hit	NE
g2g92	Sequential	B1	PBS	408	815	1220	1269	unilateral hit	Control