

**Supplementary Table 3: Statistics for behavior experiments.**

r/v 40 @ Azimuth 0							Tukey HSD score				
							SS01062	OL00048B	OL00048B	OL00048B	SS01062
ParentA	ParentB	Jumpers	Total	Jump Pct	Lower WSI	Upper WSI	Kir2.1	CTRL_DL	Kir2.1	UAS_TNT	UAS_TNT
SS01062	Kir2.1	33	135	24.444%	17.970%	32.330%	0.00000	0.00300	2.38300	3.74300	1.37500
OL00048B	CTRL_DL	35	139	25.180%	18.060%	32.230%	0.00300	0.00000	2.39700	3.77400	1.38300
OL00048B	Kir2.1	45	133	33.835%	26.350%	42.230%	2.38300	2.39700	0.00000	6.13300	1.05400
OL00048B	UAS_TNT	17	140	12.143%	7.720%	18.590%	3.74300	3.77400	6.13300	0.00000	5.19900
SS01062	UAS_TNT	43	145	29.655%	22.820%	37.540%	1.37500	1.38300	1.05400	5.19900	0.00000

r/v 40 @ Azimuth 90							Tukey HSD score				
							SS01062	OL00048B	OL00048B	OL00048B	SS01062
ParentA	ParentB	Jumpers	Total	Jump Pct	Lower WSI	Upper WSI	Kir2.1	CTRL_DL	Kir2.1	UAS_TNT	UAS_TNT
SS01062	Kir2.1	50	140	35.714%	28.256%	43.935%	0.00000	2.43500	2.30300	2.58000	5.34700
OL00048B	CTRL_DL	72	158	45.570%	38.001%	53.348%	2.43500	0.00000	0.05900	5.11100	3.06700
OL00048B	Kir2.1	63	139	45.324%	37.285%	53.614%	2.30300	0.05900	0.00000	4.89500	3.03100
OL00048B	UAS_TNT	37	144	25.694%	19.254%	33.398%	2.58000	5.11100	4.89500	0.00000	7.97000
SS01062	UAS_TNT	82	141	58.156%	49.903%	65.976%	5.34700	3.06700	3.03100	7.97000	0.00000

r/v 80 @ Azimuth 0							Tukey HSD score				
							SS01062	OL00048B	OL00048B	OL00048B	SS01062
ParentA	ParentB	Jumpers	Total	Jump Pct	Lower WSI	Upper WSI	Kir2.1	CTRL_DL	Kir2.1	UAS_TNT	UAS_TNT
SS01062	Kir2.1	50	147	34.014%	26.849%	41.992%	0.00000	0.22800	0.37400	9.19600	1.72600
OL00048B	CTRL_DL	43	130	33.077%	25.577%	41.548%	0.22800	0.00000	0.58700	8.69900	1.90000
OL00048B	Kir2.1	49	138	35.507%	28.015%	43.785%	0.37400	0.58700	0.00000	9.42200	1.32700
OL00048B	UAS_TNT	7	135	5.185%	2.534%	10.316%	9.19600	8.69900	9.42200	0.00000	10.84100
SS01062	UAS_TNT	59	144	40.972%	33.276%	49.138%	1.72600	1.90000	1.32700	10.84100	0.00000

r/v 80 @ Azimuth 90							Tukey HSD score				
							SS01062	OL00048B	OL00048B	OL00048B	SS01062
ParentA	ParentB	Jumpers	Total	Jump Pct	Lower WSI	Upper WSI	Kir2.1	CTRL_DL	Kir2.1	UAS_TNT	UAS_TNT
SS01062	Kir2.1	73	147	49.660%	41.690%	57.648%	0.00000	1.31700	3.03400	6.38600	2.94100
OL00048B	CTRL_DL	79	140	56.429%	48.152%	64.362%	1.31700	0.00000	1.40700	7.89200	1.29700
OL00048B	Kir2.1	86	138	62.319%	54.003%	69.967%	3.03400	1.40700	0.00000	9.25500	0.12400
OL00048B	UAS_TNT	32	134	23.881%	17.454%	31.763%	6.38600	7.89200	9.25500	0.00000	9.22800
SS01062	UAS_TNT	89	144	61.806%	53.661%	69.337%	2.94100	1.29700	0.12400	9.22800	0.00000