

Name	Metrics	Metric Number	PCs Retained	% Variance Captured
Activity	Circadian: bout_length (1-10), nBouts (1-10), speed (1-10) Arena Circling: bout_length, nBouts, speed Culling: nTrials, speed LED Y-Maze: bout_length, nBouts, speed, nTrials Olfaction: nTrials, speed Optomotor: bout_length, nBouts, nTrials, speed Shade-Light: bout_length, nBouts, nTrials, speed Temporal Shade-Light: bout_length, nBouts, nTrials, speed Y-Maze: bout_length, nBouts, nTrials, speed	57	13	68.36
Bout Clumpiness	Circadian: bout_clumpiness (1-10) Arena Circling: bout_clumpiness Culling: bout_clumpiness LED Y-Maze: bout_clumpiness Optomotor: bout_clumpiness Shade-Light: bout_clumpiness Temporal Shade-Light: bout_clumpiness Y-Maze: bout_clumpiness	16	2	43.55
Gravitaxis	Circadian: gravitaxis (1-10)	10	2	57.72
Clumpiness	Culling: turn_clumpiness LED Y-Maze: turn_clumpiness Olfaction: turn_clumpiness Temporal Shade-Light: choice_clumpiness Y-Maze: turn_clumpiness	5	5	100
Switchiness	Culling: hand_switchiness LED Y-Maze: hand_switchiness, light_switchiness Olfaction: hand_switchiness Y-Maze: hand_switchiness	5	5	100
Handedness	Arena Circling: circling Culling: right_bias LED Y-Maze: right_bias Olfaction: right_bias Shade-Light: circling Temporal Shade-Light: circling Y-Maze: right_bias	8	4	65.02
Circadian Handedness	Circadian: circling (1-10)	10	1	55.11
Optomotor Handedness	Optomotor: circling	1	1	100
Phototaxis	LED Y-Maze: light_bias Shade-Light: light_occupancy Temporal Shade-Light: light_occupancy	3	3	100
Optomotor Index	Optomotor: index	1	1	100
Odor Sensitivity	Olfaction: odor_occupancy	1	1	100