**Supplementary file 3**

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| Phenotype | Score Description |
| Homecage ambulation | 0-normal, uses all 4 limbs smoothly and symmetrically1-minimally slow, ambulating around cage2-moderately slow, ambulating with difficulty3-marked slowing, no ambulation |
| Balance | 0- normal1- slight inability to maintain balance while sitting and ambulating2- moderate inability to maintain balance, requires cage support3-recumbent |
| Ocular pursuit*(Horizontal and vertical)* | 0-complete1-jerky2-incomplete range3-cannot pursue |
| Treat retrieval*(Right and left forelimbs)* | 0-normal1-minimally slow, treat retrieved & eaten2-markedly slow, treat retrieved & eaten3-marked slowing, treat not retrieved |
| Weight bearing*(Right and left hindlimbs)* | 0-normal, capable of bearing full weight1-can bear full weight only some of the time2-can bear partial weight some of the time3-incapable, cannot bear any weight |
| Dystonia*(Orofacial, trunk and limbs)* | 0-absent1-slight/intermittent2-moderate/common3-marked/prolonged |
| Chorea*(Orofacial, trunk and limbs)* | 0-absent1-slight/intermittent2-moderate/common3-marked/prolonged |
| Bradykinesia*(Orofacial, trunk and limbs)* | 0-absent1-slight/intermittent2-moderate/common3-marked/prolonged |
| Ataxia*(Orofacial, trunk and limbs)* | 0-absent1-slight/intermittent2-moderate/common3-marked/prolonged |
| Tremor*(Orofacial, trunk and limbs)* | 0-absent1-slight/intermittent2-moderate/common3-marked/prolonged |
| Dysmetria*(Orofacial, trunk and limbs)* | 0-absent1-slight/intermittent2-moderate/common3-marked/prolonged |

**Table S3. Neurological Rating Scale for Nonhuman Primates**. Behaviors were scored cage-side by trained observers, blinded to treatment condition, during 30–45-minute focal observations. Scores were summed across categories to generate a total NRS score. Higher scores indicate more severe phenotypes.