### Suppl. Table 1: Neurological Severity Score

| Task                     | Description                                                                 | Points |
|--------------------------|-----------------------------------------------------------------------------|--------|
| Exit Circle              | Ability and initiative to exit a circle of 30 cm diameter through a small hole in the wall (time limit 3 minutes). | 0      | 1      |
| Mono-/Hemiparesis        | Paresis of upper and/or lower limb of the contralateral side to the intervention. | 0      | 1      |
| Straight Walk            | Initiative and motor ability to walk straight once the animal is put on the floor. | 0      | 1      |
| Seeking Behavior         | Alertness, curiosity and interest in the environment.                        | 0      | 1      |
| Beam Balancing           | Ability to balance on a beam of 7 mm width for at least 10 seconds.          | 0      | 1      |
| Round Stick Balancing    | Ability to balance on a round stick of 5 mm diameter for at least 10 seconds. | 0      | 1      |
| Beam Walk: 3 cm          | Ability to cross a 30 cm long beam of 3 cm width.                            | 0      | 1      |
| Beam Walk: 2 cm          | Ability to cross a 30 cm long beam of 2 cm width.                            | 0      | 1      |
| Beam Walk: 1 cm          | Ability to cross a 30 cm long beam of 1 cm width.                            | 0      | 1      |
| Motor Test               | Raising the mouse by tail results in flexion of fore and hind paws with a head movement of < 10° to the vertical axis within 30 seconds. | 0      | 1      |
| Walking Test             | Normal walk Inability to walk straight Circling towards the paretic side Fall down to the paretic side | 0      | 1      | 2      | 3      |
| Ear Test                 | Head shaking when inner ear lobe is touched                                 | 0      | 1      |
| Chimney test             | Ability to exit a chimney of 20 cm length backwards at 90° angle within 30 sec | 0      | 1      |