***Table S2. Gross phenotype of Ptpn2–/– (BALB/c), Ptpn2ex2–/ex2– and Ptpn2–/– (C57BL/6) mice.***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Genotype** | Runtiness | Hunched  posture | Piloerection | Diarrhoea | Eye lid  closure |
| *Ptpn2–*/*–* (BALB/c)  n=6 | 6  (100%) | 6  (100%) | 6  (100%) | 6  (100%) | 6  (100%) |
| *Ptpn2ex2–/ex2–*  n=8 | 8  (100%) | 0  (0%) | 0  (0%) | 0  (0%) | 0  (0%) |
| *Ptpn2–*/*–* (C57BL/6)  n=8 | 8  (100%) | 0  (0%) | 0  (0%) | 0  (0%) | 0  (0%) |

Runtiness, posture, piloerrection, diarrhoea and eye lid closure were assessed in 18 day-old *Ptpn2–*/*–* (BALB/c), 28 day-old *Ptpn2ex2–/ex2–*and 28 day-old *Ptpn2–*/*–* (C57BL/6) mice.