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***Table S1. Mendelian Analysis of the viability of Ptpn2ex2–/ex2–mice.***

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| --- | --- |
| Parents | *Ptpn2ex2+/ex–* x *Ptpn2ex2+/ex2–* |
| Offspring | *Ptpn2ex2+/ex2+* | *Ptpn2ex2+/ex–* | *Ptpn2ex2-/ex2–* |
| Number of animals | 20 | 48 | 20 |
| Mendelian Ratio | 0.23 | 0.54 | 0.23 |

Progeny from 16 heterozygous breeding pairs were screened by PCR and the Mendelian ratio determined.