

Supplemental Table 1. Summary of *Ptpn6/Shp-1* mutations in mice

| Name | Life span | Genomic | cDNA | Protein | Domain | Detection | Strain | Reference |
|--------------------------------------|-------------|---|---|-------------------|------------------|---------------------|-----------------|------------|
| <i>Ptpn6</i> ^{me/me} | 3 weeks | exon 3: 1bp deletion | alternative splicing: 101bp, frame shift | 102AA (truncated) | SH2 _N | RFLP, <i>TaqI</i> | C57BL/6J | 2 |
| <i>Ptpn6</i> ^{mev/mev} | 6 weeks | intron 9: SNP (T/A) | alternative splicing: 15bp (exon 9) or +69 (intron 9) | -5AA or +23AA | PTPase | sequencing | C57BL/6J | 3 |
| <i>Ptpn6</i> ^{spin/spin} | > 12 months | exon 5: SNP (T/A) | no alternative splicing, no frame shift | Y208N | SH2 _C | RFLP, <i>HincII</i> | C57BL/6J | 7 |
| <i>Ptpn6</i> ^{meb2/meb2} | > 12 months | exon 6: B2 repeat insertion (247bp) +16bp duplication | alternative splicing: -39bp+24bp, in frame | -13AA and +8AA | none | PCR | BALB/c | This paper |
| <i>Ptpn6</i> ^{fl} ;Mx1-cre | > 12 months | exon 1b-exon9 deletion | DN | DN | all | DN | C57BL6 x 129Ola | 62 |
| <i>Ptpn6</i> ^{fl} ;LysM-cre | > 12 months | exon 1b-exon9 deletion | incomplete deletion | leaking | all | PCR | C57BL6 x 129Ola | 62 |
| <i>Ptpn6</i> ^{fl} ;CD19-cre | > 12 months | exon 1b-exon9 deletion | incomplete deletion | leaking | all | S, W, PCR | C57BL6 x 129Ola | 62 |

DN – data not shown (not available); S: Southern blot; W: Western blot; SNP: single nucleotide polymorphism; RFLP: Restriction Fragment Length Polymorphism