Supplementary table S3. Site-directed mutagenesis of PCPBAe1 and oligonucleotides

| Peptide | Mutation | Oligonucleotide (5’-3’) |
| --- | --- | --- |
| Asp251Glu |  | GCGGCGGGTGGTAGCGAAGATTGGGCGTTCGCG  CGCGAACGCCCAATCTTCGCTACCACCCGCCGC |
| Ser239Gly |  | TACACCGTGGGTAGCGGTACCAACGTTCTGTAT  ATACAGAACGTTGGTACCGCTACCCACGGTGTA |
| Tyr4A-Glu21A | Asp18AGlu19A del | GTTCCGGAAAGCCCGGCGGAAATCCTGTAT  ATACAGGATTTCCGCCGGGCTTTCCGGAAC |
| Ala81A-Glu20 | Asp5Ala, Arg6Ala,  Asp7Ala | GGCATGAGCATGCTGGCGGCGGCGGTGAGCACCAGCTAC  GTAGCTGGTGCTCACCGCCGCCGCCAGCATGCTCATGCC |
| Gly162-Arg172 | Glu168Ala, Glu170Ala, Arg172Ala | GAAACCGCGTTTAGCGCGCCGGCGACCGCGGCGGTGCGTGATGCG  CGCATCACGCACCGCCGCGGTCGCCGGCGCGCTAAACGCGGTTTC |
| Val300-Phe305 del | Val300-Phe305 del | GCGATGGCGCTGAAATAAGTTGCGCAAATGTTT  AAACATTTGCGCAACTTATTTCAGCGCCATCGC |
| ProCP | ProCP | AGCATGCTGGACTAGCGTGATGTGAGC  GCTCACATCACGCTAGTCCAGCATGCT |