**Supplementary Table 1: Sequences of primers used for PCR-based mutagenesis. Underlined nucleotides indicate incorporated restriction enzyme sites.**

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| **Mutation** | **Name** | **Primer Sequence (5’**→**3’)** |
| c.1751C>T; (p.P584L) | Eph1751 Fwd | CTGAAGCTCCTGAAGACATACGTGGATCCCCAC |
| Eph1751 Rev | GTGGGGATCCACGTATGTCTTCAGGAGCTTCAG |
| c.2819C>T; (T940I) | Eph2819 Fwd | GAAGGTGGTGCAGATGATCAACGACGATATCAAGAG |
| Eph2819 Rev | CTTGATATCGTCGTTGATCATCTGCACCACCTTC |
| c.2826-9G>A; (D942fsXC71) | Eph2826 mod Fwd | GATGACCAACGACCCACAGAGACATCAAGAGGATTGGGGTGCGGCTGC |
| Eph2826 mod Rev | CTTGATGTCGCTGTGGGTCGTTGGTCATCTGCACCACCTTCTCGATG |
| c.2875G>A; (p.A959T) | Eph2875 Fwd | CGCATCACCTACAGCCTGCTGG |
| Eph2875 Rev | CAGCAGGCTGTAGGTGATGCGC |
| c.2915-2916delTG; (T972fsXC39) | Eph2915 Fwd | GACCAGGTGAACACTGGGGATCCCCATCTGAGC |
| Eph2915 Rev | GGATCCCCAGTGTTCACCTGGTCCTTGAGTCCCAG |
|  | Eph MutFwd | TCAAGACCCTGGCTGACTTTGACC |
|  | Eph BglII Rev | GGGAGAGGGGCGGAATTCCAGATCTGTTAATTAAACTC |
|  | Eph BglII Myc Rev | CACACACACACAAGATCTTACAGATCCTCTTCTGAGATGAGTTTTTGTTCGAAATAAATAAAGTCCCCAGTGGCCCAGCAT |
| c.1751C>T; (p.P584L) | Eph Exon10mut Fwd | CCGTGACCCTGGACGCAATG |
| Eph Exon10mut Rev | CATGAGCTGGTAGATGGCGGAGG |