**Supplemental Table 1. List of Mouse Strains**

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| **Genotype** | **MGI allele name** | **Description** | **Reference** |
| *K14E6* | Tg(KRT14-HPV16E6)5737Plam | Transgenic mouse expressing HPV16 E6 under the control of human *KRT14* promoter | (1) |
| *K14E7* | Tg(KRT14-HPV16E7)2304Plam | Transgenic mouse expressing HPV16 E7 under the control of human *KRT14* promoter | (2) |
| *Wnt7aCre* | Tg(Wnt7a-EGFP/cre)#Bhr | Transgenic mouse expressing EGFP-Cre fusion protein under the control of mouse *Wnt7a* enhancer and promoter | (3) |
| *Pgrf/f* | Pgrtm4.1Lyd | Conditional knockout mouse in which exon2 of the *Pgr* gene is flanked by *loxP* sites | (4) |