**Supplemental Table 5: List of sgRNAs used in the present study**.

Selection of sgRNAs were done by GPP sgRNA Designer (Doench et al. 2016). Number of off-targets (MM0-3) were further identified by CHOPCHOP (Labun et al. 2019). MM0, -1, -2, -3: number of off-targets with 0, 1, 2, 3 mismatches, respectively.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **sgRNA** | **sgRNA sequences** | **Target sequences** | **MM0** | **MM1** | **MM2** | **MM3** |
| sgIGKO\_5end | GAACCCAACUGUGUGUGACA | GAACCCAACTGTGTGTGACAGGG | 1 | 0 | 0 | 12 |
| sgIGKO\_3end | GCAUUGAAUGUAUGGCCACG | GCATTGAATGTATGGCCACGTGG | 1 | 0 | 0 | 1 |