**Supplementary File 5 |** Overview of informative SNPs deduced from whole genome sequencing reads, allowing determination of the affected chromosome. Legend is as follows:

1. ID: Unique breakpoint ID corresponding to Supplementary File 4
2. Chromosomal position of the informative SNP, coordinates are in hg19
3. Parental (HCT116) and donor (transferred chromosome) allele
4. Discordant reads with the parental/donor SNP supporting the specific genomic rearrangement
5. Normal reads with the parental/donor SNP allele supporting the specific genomic rearrangement

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cell line**  | **ID (a)** | **Chr**  | **Pos (b)** | **Parental (c) Donor (c)**  | **Discordant parental reads ( d)** | **Discordant donor reads (d)** | **Normal parental reads ( e)** | **Normal donor** **reads ( e)** | **Affected chromosome**  |
| Hte5-01  | 031  | 5  | 115741207  | G  | A  | 0  | 17  | 76  | 40  | Transferred  |
| Htr8-05  | 068  | 8  | 1167389  | G  | C  | 0  | 14  | 53  | 42  | Transferred  |
| Htr8-05  | 068  | 8  | 1167584  | G  | C  | 0  | 3  | 61  | 41  | Transferred  |
| Htr8-05  | 077  | 8  | 64763945  | T  | C  | 0  | 3  | 47  | 41  | Transferred  |
| Htr8-05  | 086  | 8  | 134961461  | C  | A  | 0  | 3  | 71  | 66  | Transferred  |
| Htr8-05  | 087  | 8  | 134961461  | C  | A  | 0  | 7  | 71  | 66  | Transferred  |
| Htr8-05  | 073  | 8  | 134961461  | C  | A  | 0  | 5  | 71  | 66  | Transferred  |
| Htr8-07  | 093  | 8  | 12486605  | T  | A  | 0  | 14  | 42  | 19  | Transferred  |
| Htr8-07  | 093  | 8  | 71660840  | T  | C  | 0  | 14  | 155  | 53  | Transferred  |