

Supplementary Table 4. Meerkat calls of the whole exome sequencing data for DDIT3-FUS.

| Sample | #CHR1 | POS1 | ORI1 | Genes1 | CHR2 | POS2 | ORI2 | Genes2 | type | SVtype | nPairs | nSplitReads | geneE112 | ENST1 | ENST2 | fusionAllowed | FrameType | Break1 | Break2 |
|------------------|-------|----------|------|--------|-------|----------|------|--------|------|--------------|--------|-------------|-----------------|------------------|--------------------|---------------|-----------|--|---|
| Metastatic Tumor | chr16 | 31198198 | + | FUS | chr12 | 57912424 | + | DDIT3 | CTX | del_inso | 14 | 7 | FUS.DDIT3.I7.I1 | NM_001170634 FUS | NM_001195053 DDIT3 | Y | CD-UTR5 | NM_001170634 FUS:15exons_Left_Intron7.8_CD_1 | NM_001195053 DDIT3:4exons_Right_Intron1.2_UTR5_-1 |
| Cell Line | chr16 | 31198198 | + | FUS | chr12 | 57912424 | + | DDIT3 | CTX | transl_inter | 22 | 10 | FUS.DDIT3.I7.I1 | NM_001170634 FUS | NM_001195053 DDIT3 | Y | CD-UTR5 | NM_001170634 FUS:15exons_Left_Intron7.8_CD_1 | NM_001195053 DDIT3:4exons_Right_Intron1.2_UTR5_-1 |