Table 1. Assay Coverage

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| **Tumor type** | **Fusion spanning probes** | **Exon Imbalance** |
| Alveolar rhabdomyosarcoma | *PAX3-FOXO1, FOXO4, MAML3, NCOA1, NCOA2; PAX7-FOXO1* |  |
| Alveolar soft part tumor | *ASPSCR1-TFE3* |  |
| Aneurysmal bone cyst |  | *USP6* |
| BCOR associated tumor | *BCOR-CCNB3, MAML3; ZC3H7B-BCOR* |  |
| CIC associated tumor |  | *CIC* expression pane (*CCND2, CRH, ETV1/4/5)*l |
| Clear cell sarcoma | *EWSR1-ATF1* |  |
| Congenital fibrosarcoma | *LMNA, TPM3, TPR-NTRK1; SPECC1L-NTRK2; EML4, ETV6, TFG-NTRK3* | *NTRK1, NTRK3* |
| Dermatofibrosarcoma protuberans/ Giant cell fibrosarcoma (DFSP) | *COL6A3-PDGFD; EMILIN2-PDGFD* | *PDGFB* |
| Desmoplastic round cell tumor (DSRCT) | *EWSR1-WT1* |  |
| Epithelioid hemangioendothelioma |  | *CAMTA1* |
| High grade endometrial stromal sarcoma (HG-ESS) | *YWHAE-NUTM2* |  |
| Ewing sarcoma | *EWSR1-ERG, ETV1, ETV4, FEV, FLI1; FUS-ERG, FEV* |  |
| Ewing like sarcoma | *EWSR1-NFATC2, SMAD3, SMARCA5, SP3; FUS-NFATC2* |  |
| Extraskeletal myxoid chondrosarcoma | *EWSR1, HSPA8, TAF15, TCF12, TFG-NR4A3* |  |
| Inflammatory myofibroblastic tumor |  | *ALK* |
| Lipoblastoma |  | *PLAG1* |
| Low grade fibrosarcoma/ |  | *CREB3L1, CREB3L2* |
| Mesenchymal chondrosarcoma | *HEY1-NCOA2* |  |
| Myoepithelioma of soft tissue | *EWSR1-KLF15, PBX1, PBX3, POU5F1, ZNF444; FUS-KLF17, POU5F1* |  |
| Myxoid liposarcoma | *EWSR1, FUS-DDIT3* |  |
| Nodular fasciitis |  | *USP6* |
| NUT midline tumor |  | *NUTM1* |
| Pseudomyogenic hemangioendothelioma |  | *FOSB* |
| Sclerosing epithelioid fibrosarcoma |  | *CREB3L1, CREB3L2* |
| Spindle cell rhabdomyosarcoma | *GREB1, MEIS1, SRF, TEAD, VGLL2-NCOA2; VGLL2-CITED* |  |
| Synovial sarcoma | *SS18-SSX1/2/4; SS18L1-SSX1* |  |
| Tenosynovial giant cell tumor |  | *CSF1* |