**Table 1. Description of novel fusions documented during routine testing**

|  |  |  |  |
| --- | --- | --- | --- |
| **Case** | **Demographics** | **Suspected Histology** | **Fusion** |
| **1** | 34F | Undifferentiated spindle cell sarcoma | *AFF1-KMT2A* |
| **2** | 33M | Malignant giant cell tumor of bone | *EYA3-WASF2* |
| **3** | 53M | Undifferentiated sarcoma of bone | *RASL10A-EWSR1* |
| **4** | 16M | Undifferentiated small round cell sarcoma | *RPL22-MECOM* |
| **5** | 53F | Uterine sarcoma | *MEAF6-SLC25A45* |
| **6** | 65M | Mesentery leiomyosarcoma | *FUS-CHD2* |
| **7** | 64F | Undifferentiated spindle cell sarcoma | *TRIO-TERT* |
| **8** | Age unknown F | Undifferentiated spindle cell sarcoma | *NR1D1-MKL1* |
| **9** | 75M | Unclassifiable spindle cell sarcoma | *PRPF19-LPXN* |