**Supplementary Table 1:**

**A. Sequence data for the eight 1000 Genomes project samples discussed in the text is available online and accessible at URLs listed:**

ftp://ftp.1000genomes.ebi.ac.uk/vol1/ftp/data/HG02284/alignment/HG02284.mapped.ILLUMINA.bwa.ACB.low\_coverage.20130415.bam

ftp://ftp.1000genomes.ebi.ac.uk/vol1/ftp/data/HG02819/alignment/HG02819.mapped.ILLUMINA.bwa.GWD.low\_coverage.20121211.bam

ftp://ftp.1000genomes.ebi.ac.uk/vol1/ftp/data/HG02820/alignment/HG02820.mapped.ILLUMINA.bwa.GWD.low\_coverage.20121211.bam

ftp://ftp.1000genomes.ebi.ac.uk/vol1/ftp/data/HG03077/alignment/HG03077.mapped.ILLUMINA.bwa.MSL.low\_coverage.20130415.bam

ftp://ftp.1000genomes.ebi.ac.uk/vol1/ftp/data/HG03518/alignment/HG03518.mapped.ILLUMINA.bwa.ESN.low\_coverage.20130415.bam

ftp://ftp.1000genomes.ebi.ac.uk/vol1/ftp/data/NA19042/alignment/NA19042.mapped.ILLUMINA.bwa.LWK.low\_coverage.20130415.bam

ftp://ftp.1000genomes.ebi.ac.uk/vol1/ftp/data/NA19372/alignment/NA19372.mapped.ILLUMINA.bwa.LWK.low\_coverage.20120522.bam

ftp://ftp.1000genomes.ebi.ac.uk/vol1/ftp/data/NA19701/alignment/NA19701.mapped.ILLUMINA.bwa.ASW.low\_coverage.20120522.bam

**B. Sequence data (reads across DNA breakpoint) for the two relevant samples from our laboratory:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| FGFM40 | @100927\_HWI-ST177.PF:6:63:8771:126035/1 | TTGTTTGTTTTTAAGATACAGAATAGCTGATCTCCTATACACAAAGA |  |  |  |
| FGFM40 | @100927\_HWI-ST177.PF:6:63:8771:126035/2 | CCACAACAGCCTCAACTGTGCTGCTGCAGGGACATTCACCCAGGAGG |  |  |  |
| FGFM4001 | @B00TJACXX110614:6:1104:3533:33749/1 | GTCCCCCACAGACTAAAGAGCAGGTATGTCCTCTGGGGCCAGGGCAGCTGGCTGCCTCCTGGGTGAATGTCCCTGC |
| FGFM4001 | @B00TJACXX110614:6:1104:3533:33749/2 | TCTCTCCGGGTTGCTTTGATGACTTCATCATGGAATCATGTGAAAGTGCCTGACACGGACACCCCAGGATGGCCCA |
| FGFM4001 | @B00TJACXX110614:6:1205:11833:45801/1 | GCCTGACACGGACACCCCAGGATGGCCCACAACAGCCTCAACTGTGCTGCTGCAGGGACATTCACCCAGGAGGCAG |
| FGFM4001 | @B00TJACXX110614:6:1205:11833:45801/2 | TTCCAGGAGGTGGCAGGGAGGTGTTTTTTTGTTTGTTTTTAAGATACAGAATAGCTGATCTCCTATACACAAAGAC |
| FGFM4001 | @B00TJACXX110614:6:2303:4803:63040/1 | CCCCCACAGACTAAAGAGCAGGTATGTCCTCTGGGGCCAGGGCAGCTGGCTGCCTCCTGGGTGAATGTCCCTGCAG |
| FGFM4001 | @B00TJACXX110614:6:2303:4803:63040/2 | TCCGGGTTGCTGTGAGGACTGCATCATGGAATCATGTGAAAGTGCCTGACACGGACACCCCAGGATGGCCCACAAC |
| FGFM4001 | @B00TJACXX110614:7:1303:20354:74062/1 | TCTATGTCCCCCACAGACTAAAGAGCAGGTATGTCCTCTGGGGCCAGGGCAGCTGGCTGCCTCCTGGGTGAATGTC |
| FGFM4001 | @B00TJACXX110614:7:1303:20354:74062/2 | TGGAATCATGTGAAAGTGCCTGACACGGACACCCCAGGATGGCCCACAACAGCCTCAACTGTGCTGCTGCAGGGAC |
| FGFM4001 | @B00TJACXX110614:7:2302:3930:125175/1 | TTCACCCAGGAGGCAGCCAGCTGCCCTGGCCCCAGAGGACATACCTGCTCTTTAGTCTGTGGGGGACATAGAGGGA |
| FGFM4001 | @B00TJACXX110614:7:2302:3930:125175/2 | GGGAGGTGTTTTTTTGTTTGTTTTTAAGATACAGAATAGCTGATCTCCTATACACAAAGACAAAAATTCCCTCTAT |
| FGFM4001 | @B00TJACXX110614:8:1105:14350:27466/1 | TGTTTTTTTGTTTGTTTTTAAGATACAGAATAGCTGATCTCCTATACACAAAGACAAAAATTCCCTCTATGTCCCC |
| FGFM4001 | @B00TJACXX110614:8:1105:14350:27466/2 | TATGCCACCTCTCTCCGGGTTGCTGTGAGGACTGCATCATGGAATCATGTGAAAGTGCCTGACACGGACACCCCAG |
| FGFM4001 | @B00TJACXX110614:8:1105:18659:197224/1 | CACAGACTAAAGAGCAGGTATGTCCTCTGGGGCCAGGGCAGCTGGCTGCCTCCTGGGTGAATGTCCCTGCAGCAGC |
| FGFM4001 | @B00TJACXX110614:8:1105:18659:197224/2 | AAAGTGCCTGACACGGACACCCCAGGATGGCCCACAACAGCCTCAACTGTGCTGCTGCAGGGACATTCACCCAGGA |
| FGFM4001 | @B00TJACXX110614:8:1202:6518:164139/1 | CCTGACACGGACACCCCAGGATGGCCCACAACAGCCTCAACTGTGCTGCTGCAGGGACATTCACCCAGGAGGCAGC |
| FGFM4001 | @B00TJACXX110614:8:1202:6518:164139/2 | GTTTTTTTGTTTGTTTTTAAGATACAGAATAGCTGATCTCCTATACACAAAGACAAAAATTCCCTCTATGTCCCCC |
| FGFM4001 | @B00TJACXX110614:8:2301:6592:167603/1 | CCACAGACTAAAGAGCAGGTATGTCCTCTGGGGCCAGGGCAGCTGGCGGCCTCCTGGGTGAATGTCCCTGCAGCAG |
| FGFM4001 | @B00TJACXX110614:8:2301:6592:167603/2 | CTTGATGACCAATCAGCCAAAATACCGTCTCAATGTAAAGAGGCACAATGCAGTCTCAGGATGGCACTTCCTGGGC |
| FGFM4001 | @B086BABXX110425:2:1203:19598:100933/1 | TCCCCCACAGACTAAAGAGCAGGTATGTCCTCTGGGGCCAGGGCAGCTGGCTGCCTCCTGGGTGAATGTCCCTGCA |
| FGFM4001 | @B086BABXX110425:2:1203:19598:100933/2 | CTCCAGTGCTCTAGATGGGGTTATGCCACCTCTCTCCGGGTTGCTGTGAGGACTGCATCATGGAATCATGTGAAAG |
| FGFM4001 | @B086BABXX110425:3:1206:1832:139358/1 | CCCCCACAGACTAAAGAGCAGGTATGTCCTCTGGGGCCAGGGCAGCTGGCTGCCTCCTGGGTGAATGTCCCTGCAG |
| FGFM4001 | @B086BABXX110425:3:1206:1832:139358/2 | AATCATGTGAAAGTGCCTGACACGGACACCCCAGGATGGCCCACAACAGCCTCAACTGTGCTGCTGCAGGGACATT |
| FGFM4001 | @B086BABXX110425:4:1101:11856:104891/1 | GCATCATGGAATCATGTGAAAGTGCCTGACACGGACACCCCAGGATGGCCCACAACAGCCTCAACTGTGCTGCTGC |
| FGFM4001 | @B086BABXX110425:4:1101:11856:104891/2 | AAAATTCCCTCTATGTCCCCCACAGACTAAAGAGCAGGTATGTCCTCTGGGGCCAGGGCAGCTGGCTGCCTCCTGG |
| FGFM4001 | @B086BABXX110425:4:2105:7604:109252/1 | CCCCAGGATGGCCCACAACAGCCTCAACTGTGCTGCTGCAGGGACATTCACCCAGGAGGCAGCCAGCTGCCCTGGC |
| FGFM4001 | @B086BABXX110425:4:2105:7604:109252/2 | TACAGAATAGCTGATCTCCTATACACAAAGACAAAAATTCCCTCTATGTCCCCCACAGACTAAAGAGCAGGTATGT |
| FGFM4001 | @B086BABXX110425:4:2202:3334:117962/1 | AGTGCCTGACACGGACACCCCAGGATGGCCCACAACAGCCTCAACTGTGCTGCTGCAGGGACATTCACCCAGGAGG |
| FGFM4001 | @B086BABXX110425:4:2202:3334:117962/2 | AGACAAAAATTCCCTCTATGTCCCCCACAGACTAAAGAGCAGGTATGTCCTCTGGGGCCAGGGCAGCTGGCTGCCT |
| FGFM4001 | @B086BABXX110425:5:2104:6899:53714/1 | TTGCTGTGAGGACTGCATCATGGAATCATGTGAAAGTGCCTGACACGGACACCCCAGGATGGCCCACAACAGCCTC |
| FGFM4001 | @B086BABXX110425:5:2104:6899:53714/2 | AGGAGGTGGCAGGGAGGTGTTTTTTTGTTTGTTTTTAAGATACAGAATAGCTGATCTCCTATACACAAAGACAAAA |
| FGFM4001 | @B09N0ABXX110520:1:1105:5455:190209/1 | CCCCCACAGACTAAAGAGCAGGTATGTCCTCTGGGGCCAGGGCAGCTGGCTGCCTCCTGGGTGAATGTCCCTGCAG |
| FGFM4001 | @B09N0ABXX110520:1:1105:5455:190209/2 | GGACACCCCAGGATGGCCCACAACAGCCTCAACTGTGCTGCTGCAGGGACATTCACCCAGGAGGCAGCCAGCTGCC |
| FGFM4001 | @B09N0ABXX110520:1:1107:3212:82840/1 | TCCGGGTTGCTGTGAGGACTGCATCATGGAATCATGTGAAAGTGCCTGACACGGACACCCCCGGATGGCCCCCAAC |
| FGFM4001 | @B09N0ABXX110520:1:1107:3212:82840/2 | GACTTAACCATGGGCGCCCGAGGGGTCTTCCAGGAGGTGGCAGGGAGGTGTTTTTTTGTTTGTTTTTAAGATACAG |
| FGFM4001 | @B09N0ABXX110520:1:2205:15693:31652/1 | ACAAAAATTCCCTCTATGTCCCCCACAGACTAAAGAGCAGGTATGTCCTCTGGGGCCAGGGCAGCTGGCTGGCTCC |
| FGFM4001 | @B09N0ABXX110520:1:2205:15693:31652/2 | AGGATGGCCCACAACAGCCTCAACTGTGCTGCTGCAGGGACATTCACCCAGGAGGCAGCCAGCTGCCCTGGCCCCA |
| FGFM4001 | @B09N0ABXX110520:2:2108:1851:129463/1 | CCACAGACTAAAGAGCAGGTATGTCCTCTGGGGCCAGGGCAGCTGGCTGCCTCCTGGGGGAATGTCCCTGCAGCAG |
| FGFM4001 | @B09N0ABXX110520:2:2108:1851:129463/2 | CTGACACGGACACCCCAGGATGGCCCACAACAGCCTCAACTGTGCTGCTGCAGGGACATTCACCCAGGAGGCAGCC |
| FGFM4001 | @B09N0ABXX110520:3:2108:5112:47063/1 | TTCTCCAGTGCTCTAGATGGGGTTATGCCACCTCTCTCCGGGTTGCTGTGAGGACTGCATCATGGAATCATGTGAA |
| FGFM4001 | @B09N0ABXX110520:3:2108:5112:47063/2 | TATGTCCCCCACAGACTAAAGAGCAGGTATGTCCTCTGGGGCCAGGGCAGCTGGCTGCCTCCTGGGTGAATGCCGC |
| FGFM4001 | @B0BNFABXX110425:1:2202:11724:165893/1 | GACATTCACCCAGGAGGCAGCCAGCTGCCCTGGCCCCAGAGGACATACCTGCTCTTTAGTCTGTGGGGGACATAGA |
| FGFM4001 | @B0BNFABXX110425:1:2202:11724:165893/2 | CAGGACATACAGGTGATATTTCTGGTGTTTGAATTCTACCAAAGGCAACCTTCCTAGTGAAACCAATAAGCCTGAA |
| FGFM4001 | @B0BNFABXX110425:2:2108:6414:181197/1 | CCGAGGGGTCTTCCAGGAGGTGGCAGGGAGGTGTTTTTTTGTTTGTTTTTAAGATACAGAATAGCTGATCTCCTAT |
| FGFM4001 | @B0BNFABXX110425:2:2108:6414:181197/2 | CGGACACCCCAGGATGGCCCACAACAGCCTCAACTGTGCTGCTGCAGGGACATTCACCCAGGAGGCAGCCAGCTGC |
| FGFM4001 | @B0BNFABXX110425:4:1108:10873:191411/1 | TCCAGGAGGTGGCAGGGAGGTGTTTTTTTGTTTGTTTTTAAGATACAGAATAGCTGATCTCCTATACACAAAGACA |
| FGFM4001 | @B0BNFABXX110425:4:1108:10873:191411/2 | GGATGGCCCACAACAGCCTCAACTGTGCTGCTGCAGGGACATTCACCCAGGAGGCAGCCAGCTGCCCTGGCCCCAG |
| FGFM4001 | @B0BNFABXX110425:8:2205:19277:172489/1 | TTATGCCACCTCTCTCCGGGTTGCTGTGAGGACTGCATCATGGAATCATGTGAAAGTGCCTGACACGGACACCCCA |
| FGFM4001 | @B0BNFABXX110425:8:2205:19277:172489/2 | TCCCCCACAGACTAAAGAGCAGGTATGTCCTCTGGGGCCAGGGCAGCTGGCTGCCTCCTGGGTGAATGTCCCTGCA |
| FGFM4001 | @C02VYABXX110425:2:1205:1876:74642/1 | CCCCACAGACTAAAGAGCAGGTATGTCCTCTGGGGCCAGGGCAGCTGGCTGCCTCCTGGGTGAATGTCCCTGCAGC |
| FGFM4001 | @C02VYABXX110425:2:1205:1876:74642/2 | TGCCATGAAGCTTCTCCAGTGCTCTAGATGGGGTTATGCCACCTCTCTCCGGGTTGCTGTGAGGACTGCATCATGG |
| FGFM4001 | @C02VYABXX110425:2:2105:6617:194207/1 | AAAAATTCCCTCTATGTCCCCCACAGACTAAAGAGCAGGTATGTCCTCTGGGGCCAGGGCAGCTGGCTGCCTCCTG |
| FGFM4001 | @C02VYABXX110425:2:2105:6617:194207/2 | CCATGAAGCTTCTCCAGTGCTCTAGATGGGGTTATGCCACCTCTCTCCGGGTTGCTGTGAGGACTGCATCATGGAA |
| FGFM4001 | @C02VYABXX110425:2:2106:8583:61637/1 | AGGGAGGTGTTTTTTTGTTTGTTTTTAAGATACAGAATAGCTGATCTCCTATACACAAAGACAAAAATTCCCTCTA |
| FGFM4001 | @C02VYABXX110425:2:2106:8583:61637/2 | CCCAGGATGGCCCACAACAGCCTCAACTGTGCTGCTGCAGGGACATTCACCCAGGAGGCAGCCAGCTGCCCTGGCC |
| FGFM4001 | @C02VYABXX110425:3:1207:6348:187709/1 | ACAGAATAGCTGATCTCCTATACACAAAGACAAAAATTCCCTCTATGTCCCCCACAGACTAAAGAGCAGGTATGTC |
| FGFM4001 | @C02VYABXX110425:3:1207:6348:187709/2 | CTGCAGGGACATTCACCCAGGAGGCAGCCAGCTGCCCTGGCCCCAGAGGACATACCTGCTCTTTAGTCTGTGGGGG |
| FGFM4001 | @C02VYABXX110425:4:1204:12823:109100/1 | CTATGTCCCCCACAGACTAAAGAGCAGGTATGTCCTCTGGGGCCAGGGCAGCTGGCTGCCTCCTGGGTGAATGTCC |
| FGFM4001 | @C02VYABXX110425:4:1204:12823:109100/2 | CATCATGGAATCATGTGAAAGTGCCTGACACGGACACCCCAGGATGGCCCACAACAGCCTCAACTGTGCTGCTGCA |
| FGFM4001 | @C02VYABXX110425:7:1102:5045:159458/1 | GGCCCACAACAGCCTCAACTGTGCTGCTGCAGGGACATTCACCCAGGAGGCAGCCAGCTGCCCTGGCCCCAGAGGA |
| FGFM4001 | @C02VYABXX110425:7:1102:5045:159458/2 | CCCTCTATGTCCCCCACAGACTAAAGAGCAGGTATGTCCTCTGGGGCCAGGGCAGCTGGCTGCCTCCTGGGTGAAT |
| FGFM4001 | @C02VYABXX110425:7:1205:11753:108725/1 | AGTAAGGTTGTGACTTAACCATGGGCGCCCGAGGGGTCTTCCAGGAGGTGGCAGGGAGGTGTTTTTTTGTTTGTTT |
| FGFM4001 | @C02VYABXX110425:7:1205:11753:108725/2 | GACTGCATCATGGAATCATGTGAAAGTGCCTGACACGGACACCCCAGGATGGCCCACAACAGCCTCAACTGTGCTG |
| FGFM4001 | @C02VYABXX110425:7:1207:17210:94131/1 | TGTGCTGCTGCAGGGACATTCACCCAGGAGGCAGCCAGCTGCCCTGGCCCCAGAGGACATACCTGCTCTTTAGTCT |
| FGFM4001 | @C02VYABXX110425:7:1207:17210:94131/2 | AAGTAAGGTTGTGACTTAACCATGGGCGCCCGAGGGGTCTTCCAGGAGGTGGCAGGGAGGGGTTTTTTTGTTTGTT |
| FGFM4001 | @C02VYABXX110425:7:2108:3965:147040/1 | GACACGGACACCCCAGGATGGCCCACAACAGCCTCAACTGTGCTGCTGCAGGGACATTCACCCAGGAGGCAGCCAG |
| FGFM4001 | @C02VYABXX110425:7:2108:3965:147040/2 | ACAAAAATTCCCTCTATGTCCCCCACAGACTAAAGAGCAGGTATGTCCTCTGGGGCCAGGGCAGCTGGCTGCCTCC |