# Supplemental Material - Genomic snapshot of perinatal viremic herpes simplex virus 1 transmission with dual fatality

## Supplemental Table S1: Sequencing statistics and GenBank IDs for the three clinical HSV-1 genomes from mother and child.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Virus** | **GenBank ID** | **HSV copies/μL+** | **Total # reads\*** | **% HSV** | **# reads used for assembly** | **Average Coverage** |
| Mother\_blood\_HSV-1 | In process^ | 1.9 x 107 | 8.0 million | 75% | 4.6 million | 7,500X |
| Neonate\_skin\_HSV-1 | In process^ | 1.9 x 107 | 8.6 million | 68% | 4.0 million | 7,000X |
| Neonate\_blood\_HSV-1 | In process^ | 8.0 x 106 | 4.6 million | 48% | 1.8 million | 3,000X |

**+**Values determined by qPCR on each sample after DNA isolation (see Methods for details).

\* All read counts refer to the number of forward reads only. “Total # reads” includes all forward reads, including unpaired and host-aligning reads. “# used for assembly” includes quality-trimmed, properly-paired, HSV-specific forward reads.

^ Genbank records are in processing. Please see attached flat file returned from GenBank, for all nucleotide and annotation data.

## Supplemental Table S2: GenBank accession numbers and references for previously sequenced isolates used in comparative genomics and phylogenetic analyses.

|  |  |  |  |
| --- | --- | --- | --- |
| **Virus** | **Strain Origin** | **GenBank Accession** | **Refs.\*** |
| 17 | Glasgow, UK | JN555585  NC\_001806 | (1, 2) |
| F | Chicago, IL | GU734771 | (3, 4) |
| H129 | San Francisco, CA | GU734772 | (3, 5) |
| KOS | Houston, TX | JQ673480, JQ780693 | (6, 7) |
| McKrae | Gainesville, FL | JQ730035, JX142173 | (8–10) |
| HF10 | New York, NY | DQ889502 | (11) |
| KOS63 | Houston, TX | KT425110 | (12) |
| KOS79 | Houston, TX | KT425109 | (12) |
| India | Pune, India | KJ847330 | (13) |
| L2 | Moscow, Russia | KT780616 | (14) |
| SC16 | Madrid, Spain | KX946970 | (15) |
| MacIntyre | Berkeley, CA | KM222720 | (16) |
| CJ970 | Madison, WI | JN420341.1 | (17) |
| CJ311 | Madison, WI | JN420338.1 | (17) |
| 134 | Madison, WI | JN4000093.1 | (18) |
| RE | New Orleans, LA | KF498959 | N/A |
| 160/1982 | Erfurt, Germany | LT594192 | (19) |
| 132/1998 | Gelsenkirchen, Germany | LT594457 | (19) |
| 1394/2005 | Germany | LT594111 | (19) |
| 1319/2005 | Germany | LT594108 | (19) |
| 66/2007 | Jena, Germany | LT594110 | (19) |
| 369/2007 | Jena, Germany | LT594112 | (19) |
| 3083/2008 | Jena, Germany | LT594107 | (19) |
| 270/2007 | Manebach, Germany | LT594109 | (19) |
| 2158/2007 | Jena, Germany | LT594106 | (19) |
| 172/2010 | Jena, Germany | LT594105 | (19) |
| CR38 | Shenyang, China | HM585508 | (20) |
| E07 | Nairobi, Kenya | HM585497 | (20) |
| E06 | Nairobi, Kenya | HM585496 | (20) |
| E08 | Nairobi, Kenya | HM585498 | (20) |
| **Virus** | **Strain Origin** | **GenBank Accession** | **Refs.\*** |
| E10 | Nairobi, Kenya | HM585499 | (20) |
| E11 | Nairobi, Kenya | HM585500 | (20) |
| E12 | Nairobi, Kenya | HM585501 | (20) |
| E13 | Nairobi, Kenya | HM585502 | (20) |
| E14 | Nairobi, Kenya | HM585510 | (20) |
| E15 | Nairobi, Kenya | HM585503 | (20) |
| E19 | Nairobi, Kenya | HM585511 | (20) |
| E22 | Nairobi, Kenya | HM585504 | (20) |
| E23 | Nairobi, Kenya | HM585505 | (20) |
| E25 | Nairobi, Kenya | HM585506 | (20) |
| E35 | Nairobi, Kenya | HM585507 | (20) |
| R11 | Seoul, South Korea | HM585514 | (20) |
| R62 | Seoul, South Korea | HM585515 | (20) |
| S23 | Sapporo, Japan | HM585512 | (20) |
| S25 | Sapporo, Japan | HM585513 | (20) |
| N-7 | Cincinnati, OH | KY922719 | (21) |
| R-13 | Cincinnati, OH | KY922718 | (21) |
| v.29 | Seattle, WA | MH102298 | (22) |

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