

Supplementary Data

Metagenomic profiling of placental tissue suggests DNA virus infection of the placenta is rare

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Supplementary Figure 1 Number of reads corresponding to phiX174 in the placental metagenomes. The number of reads corresponding to phiX174 in each placental metagenomic sample was determined using Kraken2. The sample accession of each metagenomic sample was noted on each x-axis. Metagenomic samples came from either full-term pregnancies, pre-term pregnancies, full term pregnancies that had reported antenatal infection or pre-term pregnancies that had reported antenatal infections (Pt + inf).

Supplementary Figure 2 Number of reads corresponding to human herpesvirus genomes in placental metagenomes using a human herpesvirus database. The number of reads corresponding to human herpesvirus genomes in each placental metagenomic sample was determined by comparing reads to a database of human herpesvirus genomes using Kraken2. The sample accession of each metagenomic sample was noted on the x-axis. Metagenomic samples came from either full-term pregnancies, pre-term pregnancies, full term pregnancies that had reported antenatal

24 infection or pre-term pregnancies that had reported antenatal infections (Pt + inf). HCMV
25 is shown as human herpesvirus 5.

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27 **Supplementary Figure 3 Number of reads corresponding to virus genomes in**
28 **placental metagenomes using the GATK PathSeq tool.** The number of reads
29 corresponding to human viruses in each placental metagenomic sample was determined
30 using GATK PathSeq. The sample accession of each metagenomic sample was noted
31 on the x-axis. Metagenomic samples came from either full-term pregnancies, pre-term
32 pregnancies, full term pregnancies that had reported antenatal infection or pre-term
33 pregnancies that had reported antenatal infections (Pt + inf). HCMV is shown as human
34 betaherpesvirus 5.

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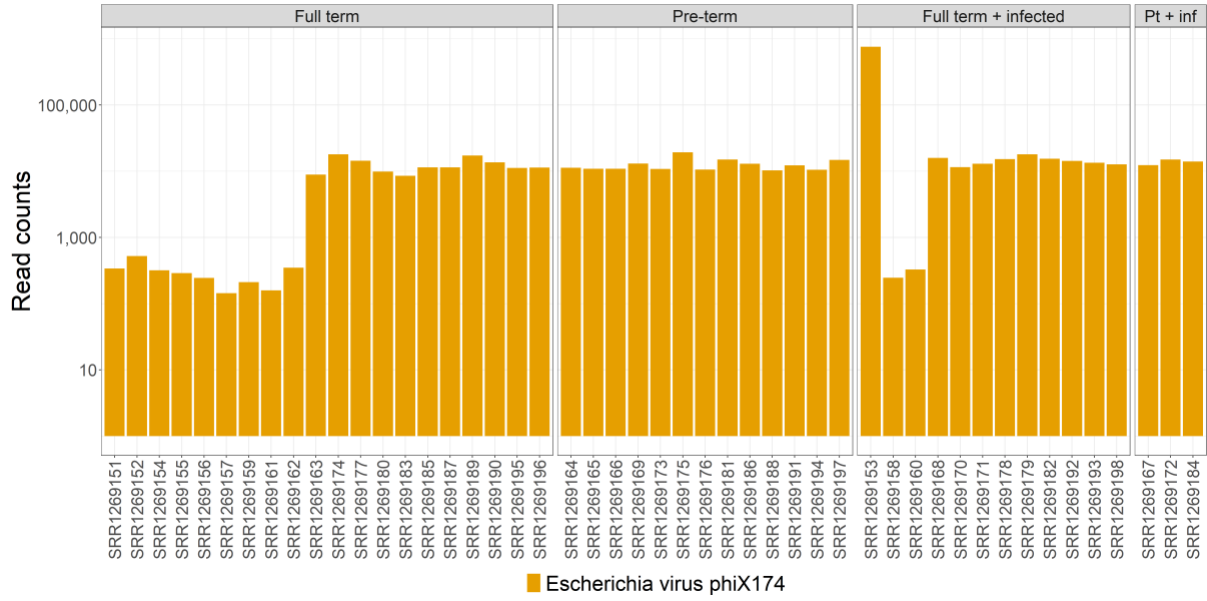
36 **Table S1 Accession numbers for Human Microbiome Project data.** See excel sheet
37 the accompanies this manuscript.

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40 Supplementary figure 1

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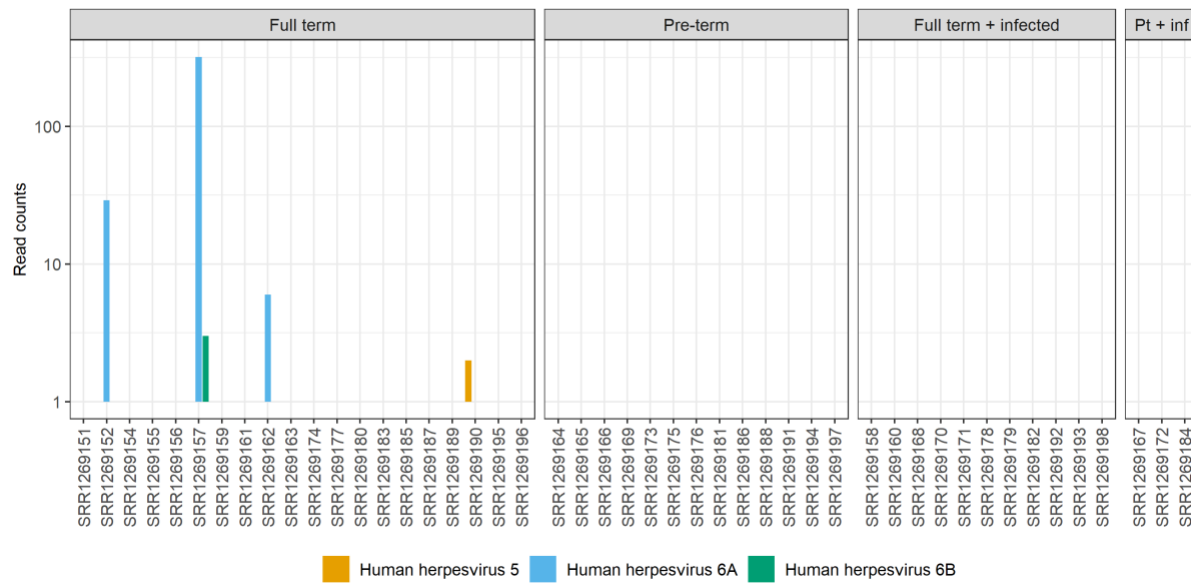
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45 Supplementary figure 2

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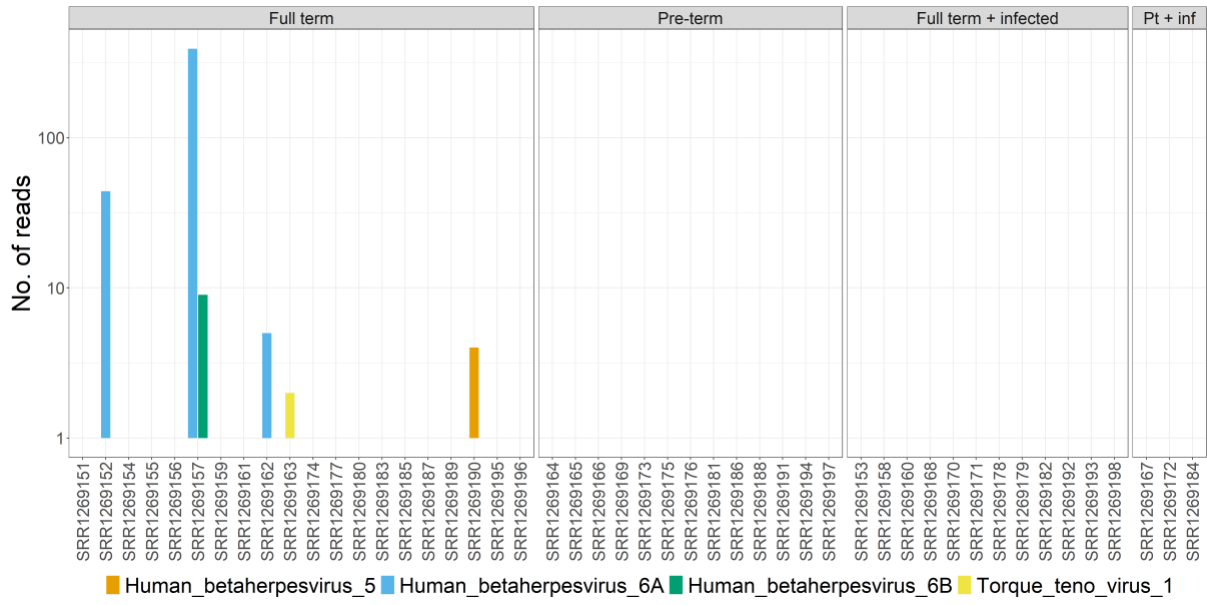
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Supplementary figure 3



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