

Supplemental Figure 2

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KSHV      LIRKTACRFVQEKSS-QVDLILREPSVKAAAKLISGQATDWVYREGLPEGFVK
EBV       LVRKTACKFVQTRCRRVLDLVLADARVKEAAASLLSHRPFQESFTQGLPVGFLP
HHV-6    LVRKTSCDFVKGVVKDIDVLLFFDEEVQTAAVEFSSHMTQTQLREQGVVGIHK
HHV-7    LVRKTSCDFVKVVVKDIDLLFFDVVDVQKSAEKLSNMTIQEIYENGVPDGIQK
HCMV     LVRKTACEFVKGVTRDVLSLLFEDREVSEAAVRLSRLSLLDEVKKYGVPRGFWR
HSV-2    LVRKNNCAFINRTSRALVDLLFFYDDTVSGAAAALAERPAEEWLARPLPEGLQA
HSV-1    LVRKNNCAFINRTSRALVDLLFFYDDTVSGAAAALAERPAEEWLARPLPEGLQA
VZV      LVRKNNCQFINDYARKLVELLLYDDTVSRAAAEASCVSIAEWNRRAMPSGMAG
          *.*. * *::      :.*:: : *.* * : .      :* *:
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KSHV      IIQVLNASHRELCERSVPVDKLTFTTELSRPLADYKTQNLPHLTVYQKLQARQEELPQIH
EBV       VIDILNQAYTDLREGRVPMGELCFSTELSRKLSAYKSTQMPHLAVYQKFVERNEELPQIH
HHV-6    ILRRLCKAREELFQNRADVRHMLSSVLSKEVAAYKQPNLAHLSVIRRLAQRKEEIPNVG
HHV-7    IIKKLCARDALFLNRVNIKSLVLSVLSKDISAYKQANLPHLAVVKRLAQRKEELPNIG
HCMV     ILRRLVQARDDLYLHRVRVEDLVLSVLSKDISLYRQSNLPHIAVIKRLAARSEELPSVG
HSV-2    FGAVLVDAHRRITDPERDIQDFVLTAELSRHPRAYTNKRLAHLTVYYKLMARRAQVPSIK
HSV-1    FGAVLVDAHRRITDPERDIQDFVLTAELSRHPRAYTNKRLAHLTVYYKLMARRAQVPSIK
VZV      FGRIIADAHRQITSPKLDINKFVMTAELSRPPSAYINRRLAHLTVYYKLMVRQGGQIPNVR
          . : : : : : : : : : * : * . . . * : * : : * : * :
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KSHV      DRIPYVFVDA-----PGSLR-----
EBV       DRIQYVFVEP-----KGGVKG-----
HHV-6    DRIMYVLLIAP-----STGNKQ-----
HHV-7    DRVMYILIAP-----TETVKK-----
HCMV     DRVFYVLTAPGVRTAPQGSSDNGDSVTAGVVSRSDAIDGTDDADGGGVEESNRRGGEPA
HSV-2    DRIPYVIVIAQTREVEETVARLAALRELDAAAPGDEPAPPAALPSPAKRPRETPSHADPPG
HSV-1    DRIPYVIVIAQTREVEETVARLAALRELDAAAPGDEPAPPAALPSPAKRPRETPSHADPPG
VZV      ERIPYVIVIVAPTDEVEADAKSVALLR-----GDP-----LQNTAGKRC
          : * : * :
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KSHV      -----SELAEHPEYVKQHGLRVAVDLYFDKLVHAVANIIQCLFQ-NNTSATV
EBV       -----ARKTEMAEDPAYAERHGVPVAVDHYFDKLLQGAANILQCLFD-NNSGAAL
HHV-6    -----T-HNYELAEDPNYVLEHKIPIHAEKYFDQIIKAVTNVISPIFP-KTDIKKE
HHV-7    -----TFHNYELAEDPAYAIENNLKINADKYFEQIMKAVTNAISPIFP-KTGIKKE
HCMV     KKRARKPPSAVCNYEVAEDPSYVREHGVPIHADKYFEQVLKAVTNVLSPVPFPGGETARKD
HSV-2    ---GASKPRKLLVSELAEDPGYAIARGVPLNTDYFSHLLGACVTFKALFG-NNAKITE
HSV-1    ---GASKPRKLLVSELAEDPAYAIAHGVALNTDYFSHLLGACVTFKALFG-NNAKITE
VZV      ---GEAK-RKLIISDLAEDPIHVTSHGLSLNIDYFSHLLIGTASVTFKALFG-NDTKLTE
          : * . * . : . : : : * . : : : . : . : *
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KSHV      AMLYNFLDIPVTFPTP-----
EBV       SVLQNFTTARPPF-----
HHV-6    KLLLYLLPMKVYLDETFSAIAEVM-----
HHV-7    KFLLSILPLKVYVDQSFCDLTDVL-----
HCMV     KFLHMVLPRRLHLEPAFLPYSVKAHECC-----
HSV-2    SLLKRFIPETWHPPDDVAARLRAAGFGPAGAG-----ATAEETRMLHRAFDT
HSV-1    SLLKRFIPEVWHPPDDVAARLRAAGFGAVGAG-----ATAEETRMLHRAFDT
VZV      RLLKRFIPETRVVNVKMLNRLQAAGFVCIHAPCWDNKMNTEAEITEEEQSHQIMRRVFCI
          . * .
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KSHV      -----
EBV       -----
HHV-6    -----
HHV-7    -----
HCMV     -----
HSV-2    LA-----
HSV-1    LA-----
VZV      PKAILHQS
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