**Table S1. Transcription start sites in KSHV**

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| **Gene** | **Sequence** | **Distance TATA to TSS** |
| K1 | ***TACTAA***TTTCAAAGGCGGGGTTCTGCCAGGCATAGTCTTTTTTTCTG | 36bp |
| ORF4 | TTTTATGAGGTCGGATACT***TATTAAA***AGCATTGTCTTAAGTACATTAAAAGGACATTGTAT | 31bp |
| ORF6 | GGCAGAAAATTCACACCG***TATATAAA***CAAGGAAAGGGGACTCTGCGCGCTTAAGCGCCAAG | 31bp |
| ORF8 | TAAAAAATATGGCTGGA***TATTTAA***AGACCTGTACGCCCTTCTGTACCACCACCTGCAATTG | 32bp |
| ORF11 | GGCGTGGCAATGGCTTGCTATATCCACCCCGGTAAGGCAGCCAGCCAGGCACCATACAGCT | No TATA |
| vIL6 | GGCGCTCACTGGCCCCTGGCCAGTTAGGC***TATTTTTA***ACCCGGGTTTTACATGACTTTGCG | 20bp |
| ORF70-K3 | TTTATAGAAGAGCCTGAGTATACATGTAGGTCTCCGAGCACTGCGAGTTGATGGGTGTCTC | No TATA |
| K3\_internal | GCTGCGACGTGGGTTTGGC***TATATATA***GTGGGCGGTCATGACCCAGAGATAGATCACGTCG | 30bp |
| ORFK4 | TTGGGGTGTTGGCCTTCG***TAATAAA***AGCCCAGGATCCTGGAGTTTACAGGTAGGCGTCGTA | 31bp |
| ORFK4.1/4.2 | CTGGGATAGCTTGGAG***TATTAAA***CCTGGGAACTATGATCCTTTAATCCCATTTGAGACTTT | 33bp |
| 1.4Kb | GTTACACCCCTTCGCCGGGAACGC***TATAAA***AACGAGGGACAGCAGCCCCCCTCGCGCACTG | 25bp |
| ORFK5 | AGCTGCCTAGAACTAACCAC***TCATAAAA***CCTCCAAACACAGGCGGAGAGCGCGGGGGTGGA | 29bp |
| ORFK6 | TCGCCCGGGTGGCAATGGAAACCTGGCTTAATGACAGAACTCAAAGCCCACAAAGGCGCCA | No TATA |
| ORFK6\_2 | TGGCGGTTAGCATACGCCAC***TATAAA***TAAACAGGTGAGACCAGAATCAGGTAAGCATATAA | 29bp |
| ORFK7 | TGTTTTGGGGTTATCTACA***TATTATA***TTCCTTATCCCGACTGGTTGCGGAAGTATTCGCAG | 30bp |
| PAN | AAAATATGGGAACACTGGA***GATAAAA***GGGGCCAGCTTGAGTCAGTTTAGCACTGGGACTGC | 30bp |
| ORF16 | TCGATTGGGATGGGGGTGTGGGATGGGGGTGTGGGATGGGGGTGTGGGATGGGGGTAAATG | No TATA |
| ORF17.5 | GCATATTGAGCCCGGCG***TATTTAA***AGGCCAGCCAATTCCCGGTCGGCATCCAAGCCGTCAC | 32bp |
| ORF17.5\_2 | GCCAGCATATTGAGCCCGGCG***TATTTAAA***GGCCAGCCAATTCCCGGTCGGCATCCAAGCCG | 28bp |
| ORF17 | GCTCTTGGGCGTGGAATG***TATTTAAA***TTCTTATTTTGCAAAAAGCGCCACATGAGCCTCCT | 31bp |
| ORF21 | ATAGATCGGGCAGGGTGGAGTACTTGAGGAGCCGGCGGTAGGTGGCCAGGTGGGCCCGGTT | No TATA |
| ORF25 | AAAAGAGTCCCTTCTTGATG***TATAAAA***GGGTGGAGGCGTTCCCCCAGGAGTAGTCTGCGTA | 29bp |
| ORF26 | GTGGCGCCGATGAAGAGAC***TATTAAA***GCTCGGAAACAAGGTGGTGTATTAGCTAACCCTTC | 30bp |
| ORF27 | ATCTTCAGAGTCTCAGTTC***TATATTTAA***TCTTGGCCCCAGACTGCACGTGTATGCCTACTC | 30bp |
| ORF28 | ATTGCTCTGTTGTAAAC***TATATATAA***GTTAAACCAAAATTCGCAGGGAGACAAGGTGACGG | 32bp |
| ORF33 | TGTTACCTGGGGGTTTTGC***TATTAAA***GGCCGCTATAGGGCGTCGAAGGAGGATCTGGTGTT | 30bp |
| ORF34 | TTTATTCTGTGCACCACGC***CAATAAA***AGGGTGCGCCATCCGTGCCGTTTTGGGACAGTGTC | 29bp |
| ORF35 | TTGAGTGGAAAAGGGACCCAG***TATATAA***CAGGCAATGTTCAGACCCAAAGGTGTCCAACTA | 28bp |
| ORF38 | TACTCGGGGTCAAATCAG***TATTAAA***GCCCGCTTCAAAGCCAACCTCTTCGTGAACGTCCGT | 31bp |
| ORF39 | GCTTCTGCCCGGGGCGCG***TATTTAA***AAGTCAACCGCGATAGGCAGTGGCATCAGATTGGCT | 31bp |
| ORF45 | GATTGGTTCACGAGTTTCATCATCAGTAGCATATCCTCAAAGTTAGAACATTGCGTTTTTC | No TATA |
| ORF45.1 | CTGCTGCGATCCAGAGGA***TATTAAA***GTGGTGATCTTAGGCCAGGACCCGTACCACAAGGGC | 32bp |
| ORF46-47 | GCATGCGTGAACCCTCAC***TATATAAA***ACAGATATTACGGAAGGGGGCTCCCTGGGGAGCAC | 31bp |
| ORF50 | GGTGGCAATGACACGTCCCC***TTTAAAAA***GTCAACCTTACTCCGCAAGGGGTAGTCTGTTGT | 29bp |
| ORFK8 | GGTATTTCCTCCGTTGTCGACTATAACCTGGCGTGTAAACGTGTAACCCTGCCAAATGCCC | No TATA |
| ORFK8.1 | TGTTATCCGGCAGCAA***TATTAAA***GGGACCGAAGTTAATCCCTTAATCCTCTGGGATTAATA | 33bp |
| ORF52 | GCTATGGTTTTTCAATAAAG***TATTTAAA***GCTGGGTATAAAGGAGGGATTTGGGCTTTTGTT | 29bp |
| ORF53 | TCGGACTGCATTGCAGAGTG***TATATAA***GAGGCGAACGCGGAACGTTGGATAGACGGCTTGG | 29bp |
| ORF55 | GGTCGCTGAGCAGCA***TATATTTAA***TGTCGGACGCCTCCAGTGGCCGGCCGCCAAGGAACCC | 34bp |
| ORF57 | GGACTGGCCAGTTAATCCCAC***TATATAA***CCTGGCTGCCAGGTTCCCAAAATAGCCCGCGGC | 28bp |
| ORF58-59 | CACCTCCCCTAAAAGTTC***TATTTAA***GGCAGTCTATCGTCTCCAGAACACCCAGTGTGCGCG | 31bp |
| ORF60-61 | TCAGCTGAGGCACGAGCTG***TATATAAA***TCGGCTTGTTTTTGGGGCGGTTTGTACGCTGGGC | 30bp |
| ORF62 | CGGCAGTTGGGCAACAG***TATTTAAAA***ACTGCTCTGTTGTGCTGCTGTTTAAGAGGGCAGGC | 32bp |
| ORF65 | GACTGCGAGGCTGCCC***TATTAAA***GCACCGTGACGTGCGCGGACTGCTTCAGCTCACCTCAC | 33bp |
| ORF69 | GCCTGCCCAGGGAGCAGGAG***TATAAAA***AGCTCAGGGCATCCGCGGCCGCCGGACAGCTCCT | 29bp |
| ORFK12 | CCCCCTTCGCAGGAAACGC***TATAAA***GAAGAGGGGAGACCGACCCCCCTCGCGCATTACGCG | 30bp |
| ORF71-72 | TCCACAGGAAATGA***CATAAAA***GCCACACCTCTCCCCCTTTTTCCTCCCTAGAAGCCACCGT | 34bp |
| ORF73 | AACTCCGCCCTCCACTACGCGGCGCCCGGGA***CAATCAAA***AAATGTGTGTATCATTTGGAGG | 17bp |
| ORFK14/74 | GGGCGGGCGCTACTCACTG***TTTATAA***GTCAGCCGGACCAAGCTGCTGCTCTTGGGGACGTG | 30bp |
| ORF75 | CGATACCTTTTTTTGAG***TATTTGA***GGTTAGTGACATGGCTACATGTAACTGTGGATTCCAC | 32bp |

The second column contains the sequence of 50nt 5’ and 10nt 3’ from the annotated TSS. The TATA box is in bold, italic font. The third column indicates the distance from the start of the TATA box to the TSS.