

Table S8. The binding sequence of NRF2 (NFE2L2) in the promoter region (2000bp upstream from transcription start site) of CYP2J2

>NC_000001.11:59891308-59893307 Homo sapiens chromosome 1,
GRCh38.p13 Primary Assembly
ACAGAAAATGCACAGCAGAGTAGAAATGGA~~ACT~~CAGAGATGACTTCAACA
AAGTCCTTCATTTTACAAATGAGGAAACTGAGACACATGATGATTTTGGCC
AGTGTCCATTTGAGTCTCCTACTTGGGTGATCTGATTGGGGAAAAATGGA
AGTCCTGGATGTTTGAGAAGTTCAAGTTCAGGGCCTGATTTGATTGGT
TTTATTCTCAGAATACCACATGGCCTGTTTCTAGAGATGCAAATTTCT
GGTGGGTTACCAAAAAAAAAAAAAAAAAAATGGGCATAGGTGGGGCTCTCA
CTTCTATTCTTTCTTTTACTAGGGAAGAAACAAACCTCCTCCCACACATTA
AAAACCCAACCATGCCTTCCAGACATACTCTTTTCTTGGCTCCCCAGCTAG
ATTAGCAGCAGTCAAACATTCCCTCCCATCCTTTTCTGTTTCCCTTCTCACA
GCGTCAATTGAATTGGCTTTTCTCTGAATCCCAAACAGCAGGAAGAAAGA
GCCCCGTGATTTTCATGGCCATTTTGTTTTAAGCTATTTAAATTATTTAGGT
CTAACTGCTTTCTATGGTTTGGGTGTTTGTCCTCTCCAAACTTATTTT
GAACTTGGTCCCCAATGTTGCAGTGTTGGAACATGGGGCCTAATGAAAG
GTGATTGGGTGTGAGGGCATGGCCCTCGTGAATGGATGGATGGCATTGTT
ATGGCAGTGGGTTCATTGTTGTGACAGTGGGCTGATATAAAGTGAGCCTGG
CACCTCCTGCTTTCTGTCTTTTGCATGCACCTGCTT**GTCCTTCTGCTTTTC**
TGCCATGTGATGACACAGTATGGAAGCCCTCACCAGAAGCTGCCACCAT
GCCCTTGGACATCCCAGCCTACAGAAATGTGAGACAAATAAACTCCTTTTC
TTTATAAATACCCAGTCTCAGGTATTCTATTACAGCAACAGAAAACAGACTA
AGACACCACCTTAGGAAAAAGGATCTTTTATAAGGCTTAGCCCAGGTTCC
CTGGGAGTTCATTTGTTTGCATTGGTATTGGGGTCAAACCTTCGTGTACTAT
CAGTGTTACCTGGCC**TTCTATTTCATAATCCTTATCTTCCTTCAGCAGCC**
ACACCTAGAGTGAGTGAGCAGGATTTTGGCATTCTGTTTTCTGCTATAA
AATACCAAGGTCGGCCAGGCACAGTGGCTCATGCCTGTAATCCCAGCACTT
ATGGAGGCCGAGGTGGGTGGATCACCTGAGTCTGGAGTTCTAGACCAGCC
TGGCCAAAATGGTGAACCCCATCTCTACTAAAAATACAAAAATTAGCGAG
GTATGGTGGCATGTGCCTATAATCCCAGCTACTAGGGAAGCTGAGGCAGGT
GAATCACTGGAACCCAGGAAGTGGATCACACCACTGCACTCCAGCCTGGG
CAACGGAGCAAGACACTACCTCAAAAAAAAAAAAAAAAAACAAAAAAAAAAAA
AAAAACAAAAACAGGGCCAGGGAGTTTAGGCTGGTAATAGCCAC
AAAAAGCTTACAGTCTAGTTGCAAGAAAAGATCACACCCACCATCGTTAA
AGCCAGTGTGAAACAACATGGGAATAAGTGTCTGATGGAGGATTAAGGC
AAGAAGGTATTGTTAAGGATGAAAAATATTTCCACATTTGTTCCTGAAACCT
GTTTCCCAGGTTGGTTAATTGTGGTCACATTCCACTTGGCCTTAGGTGTG
TGCTTATGTAACCTACAGAACTGTTTCAATGACACCTGCTTCCCTGT

CTCTAAATGAGGAATAAAACCTGCCCTGCTGACTTCTCAGAGGATCAG
TCTGAGACAGAAACAAGATAACGCATGCACAGTGCTACCAAACCTGGG
GAGTCTTCATAGCTCACTTCTGTGGCTGCTCCTAGGGCCCACTTTTAAC
TCTTATCAACTATTTTGCACCACTTTGACTTGAGCTTCTCAACAGGTCAGAA
GCAAACACATATCTCACAAAGGAAGCAGGAAGGAGGCACAC

Bold, seven consensus binding sequence for NFE2L2 (Nrf2); Bold and underlined, two randomly selected binding sites for validation.