Table S3. Sequences of human TLR 7/8 stimulatory ORNs from research reports.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Sequence | Cell | Cytokine | PubMed ID |
| 2.2 sense | GCAUGCGACCUCUGUUUGA | pDC | IFN-α | 19454678 |
| 9.1 sense | UGGACGGCAACUGUUAUUA | Monocyte | IL-12p70 | 19454678 |
| 9.1 antisense | UAAUAACAGUUGCCGUCCA | Monocyte | IL-12p70 | 19454678 |
| 9.2 sense | AGCUUAACCUGUCCUUCAA | Monocyte | IL-12p70 | 19454678 |
| 9.2 antisense | UUGAAGGACAGGUUAAGCU | Monocyte | IL-12p70 | 19454678 |
| 9.3 sense | ACCUGUCCUUCAAUUACCA | Monocyte | IL-12p70 | 19454678 |
| 9.3 antisense | UGGUAAUUGAAGGACAGGU | Monocyte | IL-12p70 | 19454678 |
| Ass | AGCUUAACCUGU | Monocyte | IFN-α | 19454678 |
| Bss | AACCUGUCCUUC | Monocyte | IFN-α | 19454678 |
| Lss | AGCUUAACCUGUCCUU | Monocyte | IFN-α | 19454678 |
| Rss | UUAACCUGUCCUUCAA | Monocyte | IFN-α | 19454678 |
| P20 | UUGAAGGACAUGUCCUUCAA | PBMC | IFN-α | 19454678 |
| P20-3M | UGUCAGGACAUGUCCUUCAA | PBMC | IL-12p70 | 19454678 |
| P20-5M | UGUCCUGACAUGUCCUUCAA | PBMC | IL-12p70 | 19454678 |
| P20-6M | UGUCCUUACAUGUCCUUCAA | PBMC | IL-12p70 | 19454678 |
| P20-20M | UGUCCUUCAAUGUCCUUCAA | PBMC | IL-12p70 | 19454678 |
| 27+2 sense | GCUGACCCUGAAGUUCAUCUGCACCACUU | pDC | IFN-α | 19454678 |
| 27+2 antisense | GUGGUGCAGAUGAACUUCAGGGUCAGCUU | pDC | IFN-α | 19454678 |
| 27+0 sense | AAGCUGACCCUGAAGUUCAUCUGCACC | pDC | IFN-α | 19454678 |
| 27+0 antisense | GGUGCAGAUGAACUUCAGGGUCAGCUU | pDC | IFN-α | 19454678 |
| RNA40 | GCCCGUCUGUUGUGUGACUC | PBMC | TNFα, IL-12p40, IFN-α | 14976262 |
| RNA42 | ACCCAUCUAUUAUAUAACUC | PBMC | TNFa, IL-12p40 | 14976262 |
| ORNs 9.2dr | UGUCCUUCAAUGUCCUUCAA | pDC | Th1 cytokines | 17132722 |
| ORNs 9.2as | UUGAAGGACAGGUUAAGCU | pDC | Th1 cytokines | 17132722 |
| ORNs TLR4.1s | UACUUAGACUACUACCUCG | pDC | Th1 cytokines | 17132722 |
| RNA9.3as | UGGUAAUUGAAGGACAGGU | NK Cell | INF-γ | 19890064 |
| Influenza virus | A AUAAUUGACCUGCUUUCGCU | PBMC | TNFa, IL-12p40, IFNa | 18072859 |
| RSV | UUGUACGCAUUUUUUCGCGU | PBMC | TNFa | 18072859 |
| Measles virus | CUUACCCAACUUUGUUUGGU | PBMC | TNFa | 18072859 |
| Sendai virus | UGUUUUUUCUCUUGUUUGGU | PBMC | TNFa, IFNa | 18072859 |
| Rabies virus | UUGAUCUGGUUGUUAAGCGU | PBMC | TNFa | 18072859 |
| VSV | AAUGGUUUGUUUGUCUUCGU | PBMC | TNFa | 18072859 |
| 27S | GUCCGGGCAGGUCUACUUU | Monocyte | TNFa | 17725606 |
| B-406-AS | UAAUUCGCGUCUGGCCUUCUU | PBMC | TNFa, IFNa | 18250417 |
| B-406-S | GAAGGCCAGACGCGAAUUAUU | PBMC | TNFa, IFNa | 18250417 |
| Lamin-AS | UGUUCUUCUGGAAGUCCAG | PBMC | TNFa, IFNa | 18250417 |
| si9.2-S | AGCUUAACCUGUCCUUCAA | PBMC | IFNa | 18250417 |
| STAT-2AS | GUUCCAUUGGCUCUGGUGCUU | PBMC | TNFa, IFNa | 18250417 |
| GFP21-AS | GAUGAACUUCAGGGUCAGCUU | PBMC | IFNa | 18250417 |
| SA | GAAGGCCUUACGCGAAUUAUU | PBMC | TNFa | 18250417 |
| SB | GAAGGCCUUACGCGAACAAUU | PBMC | TNFa | 18250417 |
| U24 | CUACGAUCGGUCGACCUCGAGUGUGGUGCAGAUGGAUGUAAAAGAAUAUUUGCUAUCUGAGAGAUGGUGAUGACAUUUUAAACCACCAAGAUCGCUGAUGCACCAG | B-cell | INF | 23019335 |
| A-block | CGAGCUGGUGCAGAUGGAUGUAAAAGAAUAAUUUGCUAAUCUGAAGAGAAUGAGUGAUGACAUUUUAAACCACCAAGAUCGCUGAUGCACCAG | B-cell | INF | 23019335 |
| Inv | CGAGCUGGUGCAGAUGGAUGUAAAAGUAAAUUUGUCAUCUGAAGAGUGGUGAUGACAUUUUAAACCACCAAGAUCCGUGAUGCACCAG | B-cell | INF | 23019335 |
| U11snRNA | AUAAUUUUUUGGUAUUU | Splenocytes | autoimmune | 31694883 |
| Sa19 | GGACGGAAAGACCCCGUGG | THP-1 | TNF | 26545385 |
| mtPTL | AGACGAGAAGACCCUAUGG | THP-1 | TNF | 26545385 |
| HsmtD1 | CGCAAGGGAAAGAUGAAAA | THP-1 | TNF | 26545385 |
| HsmtD3\_4 | UCAUAAGGAAAGGUUAAAA | THP-1 | TNF | 26545385 |
| BtmtD3\_4 | AUCUAAGGAAAGAUUAAAA | THP-1 | TNF | 26545385 |
| ssN | GCGCCGAGGUGAAGUUCGAGGGCGA | PBMC | TNFα, IFNα | 24227841 |
| ssU | GCGCCGAGUUUUAGUUCGAGGGCGA | PBMC | TNFα, IFNα | 24227841 |
| 1170 | GGACUGCGUUCGCGCUUUCC | PBMC | TNFa, IFNa | 16330816 |
| 1171 | GGCUUAUCCAUUGCACUCCGGA | PBMC | TNFa, IFNa | 16330816 |
| 1172 | GACUAGCUUGCUGUUU | PBMC | TNFa, IFNa | 16330816 |
| 1174 | UUUGUGGUAGUGGGGGACUG | PBMC | TNFa, IFNa | 16330816 |
| 1176 | ACGAAGGUGGUUUUCCCAG | PBMC | TNFa, IFNa | 16330816 |
| 1274 | GGACUGCGUUGUGGCUUUCC | PBMC | TNFa, IFNa | 16330816 |
| 1300 | GAUACUUACCUG | PBMC | TNFa, IFNa | 16330816 |
| 1330 | AAUUUUUGA | PBMC | TNFa, IFNa | 16330816 |
| 1332 | AAUUUGUGG | PBMC | TNFa, IFNa | 16330816 |
| 1337 | GUAGUGUUUGUGGGGGACUG | PBMC | TNFa, IFNa | 16330816 |
| 1338 | GUAGUGGGGGACUGUUUGUG | PBMC | TNFa, IFNa | 16330816 |
| 1563 | GACUAGCCUUU | PBMC | TNFa, IFNa | 16330816 |
| 1-as | AAUUUUGAGAAGAUGAUC | PBMC | TNFa | 16609928 |
| 2-s | GACUUGAGCGAGCGCUUUU | PBMC | TNFa | 16609928 |
| 3-s | GUCCGGGCAGGUCUACUUU | PBMC | TNFa, IFNa | 16609928 |
| 4-s | CCAUCGGAUUGUUCUUUCU | PBMC | TNFa | 16609928 |
| 5-as | UGCUAUUGGUGAUUGCCUC | PBMC | TNFa, IFNa | 16609928 |
| R-1075 | CCGUCUGUUGUGUGACUC | PBMC | TNFa, IFNa | 18322178 |
| R-0001 | UAUAUAUAUAUAUAUAUAUA | PBMC | TNFa | 18322178 |
| R-0002 | UUAUUAUUAUUAUUAUUAUU | PBMC | TNFa | 18322178 |
| R-0003 | UUUAUUUAUUUAUUUAUUUA | PBMC | TNFa, IFNa | 18322178 |
| R-0004 | UUUUAUUUUAUUUUAUUUUA | PBMC | TNFa, IFNa | 18322178 |
| R-0005 | UGUGUGUGUGUGUGUGUGUG | PBMC | TNFa, IFNa | 18322178 |
| R-0006 | UUGUUGUUGUUGUUGUUGUU | PBMC | TNFa, IFNa | 18322178 |
| R-0007 | UUUGUUUGUUUGUUUGUUUG | PBMC | TNFa, IFNa | 18322178 |
| R-0008 | UUUUGUUUUGUUUUGUUUUG | PBMC | TNFa, IFNa | 18322178 |
| R-1312 | GCCACCGAGCGUUGUGUACC | PBMC | TNFa, IFNa | 18322178 |
| R-1321 | GCCACCGAGCAUUGUGAACC | PBMC | TNFa, IFNa | 18322178 |
| R-1322 | GCCACCGAGCAUUGAGAACC | PBMC | TNFa, IFNa | 18322178 |
| R-1323 | GCCACCGAGCAAUGAGAACC | PBMC | TNFa | 18322178 |
| R-1324 | GCCACCGAGCAAGGUGAACC | PBMC | TNFa | 18322178 |
| ORN R-1935 | UUGUUGUUGUUGUUGUGGGGG | PBMC | INF-α, INF-γ | 22196370 |
| ORN R-2176 | UUGUUGUUGUUGUUGU | PBMC | INF-α, INF-γ | 22196370 |
| ORN R-2336 | GACACACACACUCACACACACACA | PBMC | INF-α, INF-γ | 22196370 |
| Poly-U | UUUUUU | pDC | IFN-α | 17111347 |
|  | UUGU | PBMC | TNFa, IFNa | 18322178 |
|  | UUUC | PBMC | TNFa, IFNa | 18322178 |
|  | UGUU | PBMC | TNFa, IFNa | 18322178 |
|  | CUGU | PBMC | TNFa, IFNa | 18322178 |
|  | UAUU | PBMC | TNFa, IFNa | 18322178 |
|  | UUUT | PBMC | TNFa, IFNa | 18322178 |
|  | TUGU | PBMC | TNFa, IFNa | 18322178 |
|  | GUUU | PBMC | TNFa, IFNa | 18322178 |
|  | AUUU | PBMC | TNFa, IFNa | 18322178 |
|  | AUGU | PBMC | TNFa, IFNa | 18322178 |
|  | CUUU | PBMC | TNFa, IFNa | 18322178 |
|  | UUUA | PBMC | TNFa, IFNa | 18322178 |
|  | UUGC | PBMC | TNFa, IFNa | 18322178 |
|  | UCUU | PBMC | TNFa, IFNa | 18322178 |
|  | TUUC | PBMC | TNFa, IFNa | 18322178 |
|  | AUUC | PBMC | TNFa, IFNa | 18322178 |
|  | UUCT | PBMC | TNFa, IFNa | 18322178 |
|  | UCUC | PBMC | TNFa, IFNa | 18322178 |
|  | TUUU | PBMC | TNFa, IFNa | 18322178 |
|  | UUGA | PBMC | TNFa, IFNa | 18322178 |
|  | UAUA | PBMC | TNFa, IFNa | 18322178 |
|  | GUUC | PBMC | TNFa, IFNa | 18322178 |
|  | AUAU | PBMC | TNFa, IFNa | 18322178 |
|  | AUAC | PBMC | TNFa, IFNa | 18322178 |
|  | UAUC | PBMC | TNFa, IFNa | 18322178 |
|  | GCUC | PBMC | TNFa, IFNa | 18322178 |
|  | CUAC | PBMC | TNFa, IFNa | 18322178 |
|  | GUAC | PBMC | TNFa, IFNa | 18322178 |
|  | GUGC | PBMC | TNFa, IFNa | 18322178 |
|  | CUGC | PBMC | TNFa, IFNa | 18322178 |
|  | UUCU | PBMC | TNFa, IFNa | 18322178 |
|  | AUAA | PBMC | TNFa, IFNa | 18322178 |
|  | CUAA | PBMC | TNFa, IFNa | 18322178 |
|  | UUUU | PBMC | TNFa, IFNa | 18322178 |
|  | AUUA | PBMC | TNFa, IFNa | 18322178 |
|  | UUAU | PBMC | TNFa, IFNa | 18322178 |
|  | CUCC | PBMC | TNFa, IFNa | 18322178 |
|  | AUCC | PBMC | TNFa, IFNa | 18322178 |
|  | GUCC | PBMC | TNFa, IFNa | 18322178 |

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