

Table S1. Nucleotide variants observed in the Uruguayan sequences. The nucleotide change (Change), the position in the coding sequence (CDS) and in the codon (Codon number), and the number of sequences (n°) with the change are indicated. The amino acid (AA) change and its effect on the protein (Protein effect) are also shown for each single nucleotide polymorphism (SNP).

| gene | Change | CDS position | Codon number | Codon change | AA change | Polymorphism.Type | Protein effect | n° |
|------|--------|--------------|--------------|--------------|-----------|--------------------|----------------|----|
| HA | T -> C | 32 | 11 | GTT -> GCT | V -> A | SNP (transition) | Substitution | 1 |
| HA | G -> A | 191 | 64 | AGG -> AAG | R -> K | SNP (transition) | Substitution | 11 |
| HA | A -> C | 205 | 69 | AAG -> CAG | K -> Q | SNP (transversion) | Substitution | 1 |
| HA | T -> C | 216 | 72 | AGT -> AGC | | SNP (transition) | None | 1 |
| HA | G -> A | 263 | 88 | AGA -> AAA | R -> K | SNP (transition) | Substitution | 1 |
| HA | G -> T | 295 | 99 | GCT -> TCT | A -> S | SNP (transversion) | Substitution | 3 |
| HA | C -> T | 357 | 119 | CAC -> CAT | | SNP (transition) | None | 1 |
| HA | G -> T | 468 | 156 | GCG -> GCT | | SNP (transversion) | None | 5 |
| HA | T -> C | 585 | 195 | CAT -> CAC | | SNP (transition) | None | 2 |
| HA | T -> C | 786 | 262 | AAT -> AAC | | SNP (transition) | None | 3 |
| HA | C -> A | 865 | 289 | CAC -> AAC | H -> N | SNP (transversion) | Substitution | 4 |
| HA | G -> A | 1143 | 381 | GCG -> GCA | | SNP (transition) | None | 4 |
| HA | T -> C | 1185 | 395 | AAT -> AAC | | SNP (transition) | None | 1 |
| HA | C -> T | 1194 | 398 | AAC -> AAT | | SNP (transition) | None | 1 |
| HA | A -> G | 1201 | 401 | ATT -> GTT | I -> V | SNP (transition) | Substitution | 1 |
| HA | C -> T | 1218 | 406 | ACC -> ACT | | SNP (transition) | None | 9 |
| HA | C -> T | 1251 | 417 | AAC -> AAT | | SNP (transition) | None | 2 |
| HA | T -> C | 1317 | 439 | TAT -> TAC | | SNP (transition) | None | 2 |
| HA | C -> T | 1440 | 480 | AAC -> AAT | | SNP (transition) | None | 1 |
| HA | A -> G | 1503 | 501 | ACA -> ACG | | SNP (transition) | None | 9 |
| M2 | A -> G | 103 | 35 | ATC -> GTC | I -> V | SNP (transition) | Substitution | 2 |
| M2 | G -> A | 151 | 51 | GTT -> ATT | V -> I | SNP (transition) | Substitution | 5 |
| M1 | G -> A | 343 | 115 | GTT -> ATT | V -> I | SNP (transition) | Substitution | 4 |
| M1 | C -> T | 435 | 145 | GGC -> GGT | | SNP (transition) | None | 2 |
| M1 | C -> G | 500 | 167 | ACC -> AGC | T -> S | SNP (transversion) | Substitution | 1 |
| M1 | G -> A | 544 | 182 | GCC -> ACC | A -> T | SNP (transition) | Substitution | 1 |
| M1 | C -> A | 681 | 227 | GCC -> GCA | | SNP (transversion) | None | 4 |
| NA | G -> A | 55 | 19 | GTA -> ATA | V -> I | SNP (transition) | Substitution | 11 |
| NA | C -> T | 90 | 30 | ATC -> ATT | | SNP (transition) | None | 5 |
| NA | T -> C | 130 | 44 | TAC -> CAC | Y -> H | SNP (transition) | Substitution | 4 |
| NA | C -> T | 180 | 60 | ACC -> ACT | | SNP (transition) | None | 1 |
| NA | A -> T | 202 | 68 | AAC -> TAC | N -> Y | SNP (transversion) | Substitution | 4 |
| NA | C -> T | 415 | 139 | CTG -> TTG | | SNP (transition) | None | 2 |
| NA | G -> A | 474 | 158 | TTG -> TTA | | SNP (transition) | None | 3 |
| NA | A -> C | 576 | 192 | ACA -> ACC | | SNP (transversion) | None | 2 |
| NA | C -> T | 600 | 200 | AAC -> AAT | | SNP (transition) | None | 9 |
| NA | G -> A | 850 | 284 | GAT -> AAT | D -> N | SNP (transition) | Substitution | 1 |
| NA | C -> T | 918 | 306 | TTC -> TTT | | SNP (transition) | None | 11 |

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|-----|--------|------|----------------|--------|--------------------|--------------|----|
| NA | C -> A | 1019 | 340 TCT -> TAT | S -> Y | SNP (transversion) | Substitution | 3 |
| NA | T -> C | 1191 | 397 ACT -> ACC | | SNP (transition) | None | 1 |
| NA | C -> T | 1353 | 451 GAC -> GAT | | SNP (transition) | None | 1 |
| NP | T -> C | 9 | 3 TCT -> TCC | | SNP (transition) | None | 2 |
| NP | A -> G | 72 | 24 GAA -> GAG | | SNP (transition) | None | 1 |
| NP | T -> A | 99 | 33 GTT -> GTA | | SNP (transversion) | None | 1 |
| NP | G -> A | 219 | 73 GAG -> GAA | | SNP (transition) | None | 2 |
| NP | C -> T | 327 | 109 ATC -> ATT | | SNP (transition) | None | 3 |
| NP | C -> A | 387 | 129 GCC -> GCA | | SNP (transversion) | None | 11 |
| NP | G -> A | 600 | 200 GGG -> GGA | | SNP (transition) | None | 1 |
| NP | G -> A | 738 | 246 CGG -> CGA | | SNP (transition) | None | 3 |
| NP | T -> G | 967 | 323 TCT -> GCT | S -> A | SNP (transversion) | Substitution | 9 |
| NP | A -> G | 1109 | 370 AAC -> AGC | N -> S | SNP (transition) | Substitution | 4 |
| NP | A -> G | 1184 | 395 AAC -> AGC | N -> S | SNP (transition) | Substitution | 4 |
| NP | C -> T | 1191 | 397 AAC -> AAT | | SNP (transition) | None | 3 |
| NP | T -> A | 1259 | 420 TTC -> TAC | F -> Y | SNP (transversion) | Substitution | 1 |
| NP | A -> G | 1293 | 431 GGA -> GGG | | SNP (transition) | None | 3 |
| NS1 | T -> C | 65 | 22 TTT -> TCT | F -> S | SNP (transition) | Substitution | 1 |
| NS1 | T -> C | 99 | 33 CTT -> CTC | | SNP (transition) | None | 2 |
| NS1 | C -> A | 111 | 37 CGC -> CGA | | SNP (transversion) | None | 4 |
| NS1 | A -> G | 129 | 43 CTA -> CTG | | SNP (transition) | None | 2 |
| NEP | C -> A | 133 | 45 CTT -> ATT | L -> I | SNP (transversion) | Substitution | 1 |
| NEP | A -> G | 159 | 53 GGA -> GGG | | SNP (transition) | None | 4 |
| NS1 | C -> T | 222 | 74 GAC -> GAT | | SNP (transition) | None | 1 |
| NS1 | C -> A | 254 | 85 CCT -> CAT | P -> H | SNP (transversion) | Substitution | 4 |
| NS1 | C -> T | 262 | 88 CGC -> TGC | R -> C | SNP (transition) | Substitution | 2 |
| NEP | A -> C | 265 | 89 ATC -> CTC | I -> L | SNP (transversion) | Substitution | 4 |
| NEP | T -> C | 279 | 93 AGT -> AGC | | SNP (transition) | None | 9 |
| NS1 | A -> G | 330 | 110 AAA -> AAG | | SNP (transition) | None | 3 |
| NS1 | A -> G | 367 | 123 ATT -> GTT | I -> V | SNP (transition) | Substitution | 1 |
| NS1 | C -> A | 605 | 202 GCT -> GAT | A -> D | SNP (transversion) | Substitution | 1 |
| NS1 | A -> G | 631 | 211 AGA -> GGA | R -> G | SNP (transition) | Substitution | 4 |
| PA | A -> G | 21 | 7 CAA -> CAG | | SNP (transition) | None | 2 |
| PA | A -> C | 168 | 56 GAA -> GAC | E -> D | SNP (transversion) | Substitution | 1 |
| PA | G -> A | 364 | 122 GTA -> ATA | V -> I | SNP (transition) | Substitution | 3 |
| PA | C -> T | 438 | 146 CAC -> CAT | | SNP (transition) | None | 2 |
| PA | A -> G | 510 | 170 AGA -> AGG | | SNP (transition) | None | 1 |
| PA | C -> T | 645 | 215 GCC -> GCT | | SNP (transition) | None | 5 |
| PA | C -> T | 648 | 216 GAC -> GAT | | SNP (transition) | None | 1 |

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|-----|--------|------|----------------|--------|--------------------|--------------|---|
| PA | C -> T | 1077 | 359 AAC -> AAT | | SNP (transition) | None | 2 |
| PA | A -> G | 1213 | 405 AGC -> GGC | S -> G | SNP (transition) | Substitution | 1 |
| PA | A -> T | 1254 | 418 ACA -> ACT | | SNP (transversion) | None | 1 |
| PA | C -> T | 1273 | 425 CTT -> TTT | L -> F | SNP (transition) | Substitution | 1 |
| PA | C -> T | 1364 | 455 GCC -> GTC | A -> V | SNP (transition) | Substitution | 2 |
| PA | C -> G | 1437 | 479 GAC -> GAG | D -> E | SNP (transversion) | Substitution | 5 |
| PA | C -> G | 1658 | 553 GCA -> GGA | A -> G | SNP (transversion) | Substitution | 1 |
| PA | G -> A | 1676 | 559 AGG -> AAG | R -> K | SNP (transition) | Substitution | 1 |
| PA | C -> G | 1734 | 578 GGC -> GGG | | SNP (transversion) | None | 3 |
| PA | G -> A | 1749 | 583 CGG -> CGA | | SNP (transition) | None | 8 |
| PA | C -> T | 1753 | 585 CTT -> TTT | L -> F | SNP (transition) | Substitution | 1 |
| PA | A -> G | 1808 | 603 AAA -> AGA | K -> R | SNP (transition) | Substitution | 1 |
| PA | T -> C | 1956 | 652 TCT -> TCC | | SNP (transition) | None | 3 |
| PA | T -> C | 1993 | 665 TTG -> CTG | | SNP (transition) | None | 1 |
| PB1 | T -> C | 6 | 2 TAT -> TAC | | SNP (transition) | None | 1 |
| PB1 | A -> G | 85 | 29 AAA -> GAA | K -> E | SNP (transition) | Substitution | 9 |
| PB1 | A -> G | 93 | 31 GGA -> GGG | | SNP (transition) | None | 9 |
| PB1 | A -> G | 100 | 34 ACA -> GCA | T -> A | SNP (transition) | Substitution | 4 |
| PB1 | G -> T | 297 | 99 AAG -> AAT | K -> N | SNP (transversion) | Substitution | 1 |
| PB1 | C -> T | 336 | 112 AAC -> AAT | | SNP (transition) | None | 5 |
| PB1 | C -> A | 582 | 194 AGC -> AGA | S -> R | SNP (transversion) | Substitution | 2 |
| PB1 | A -> T | 837 | 279 ACA -> ACT | | SNP (transversion) | None | 1 |
| PB1 | A -> G | 976 | 326 ATG -> GTG | M -> V | SNP (transition) | Substitution | 3 |
| PB1 | G -> A | 1014 | 338 AAG -> AAA | | SNP (transition) | None | 2 |
| PB1 | A -> G | 1092 | 364 AGA -> AGG | | SNP (transition) | None | 2 |
| PB1 | A -> G | 1130 | 377 GAT -> GGT | D -> G | SNP (transition) | Substitution | 1 |
| PB1 | A -> G | 1224 | 408 AGA -> AGG | | SNP (transition) | None | 9 |
| PB1 | A -> G | 1308 | 436 GGA -> GGG | | SNP (transition) | None | 4 |
| PB1 | C -> A | 1353 | 451 GTC -> GTA | | SNP (transversion) | None | 1 |
| PB1 | C -> T | 1428 | 476 CGC -> CGT | | SNP (transition) | None | 1 |
| PB1 | A -> G | 1653 | 551 TCA -> TCG | | SNP (transition) | None | 2 |
| PB1 | A -> G | 1698 | 566 GGA -> GGG | | SNP (transition) | None | 9 |
| PB1 | C -> T | 1785 | 595 GAC -> GAT | | SNP (transition) | None | 4 |
| PB1 | T -> C | 1794 | 598 TAT -> TAC | | SNP (transition) | None | 2 |
| PB1 | A -> G | 1803 | 601 AGA -> AGG | | SNP (transition) | None | 9 |
| PB1 | G -> A | 1824 | 608 CCG -> CCA | | SNP (transition) | None | 1 |
| PB1 | C -> T | 1989 | 663 GAC -> GAT | | SNP (transition) | None | 1 |
| PB1 | T -> C | 2157 | 719 GCT -> GCC | | SNP (transition) | None | 3 |
| PB2 | G -> A | 138 | 46 GAG -> GAA | | SNP (transition) | None | 1 |

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|-----|--------|------|----------------|--------|--------------------|--------------|----|
| PB2 | T -> C | 180 | 60 GAT -> GAC | | SNP (transition) | None | 5 |
| PB2 | G -> A | 243 | 81 CCG -> CCA | | SNP (transition) | None | 11 |
| PB2 | G -> A | 501 | 167 AAG -> AAA | | SNP (transition) | None | 2 |
| PB2 | A -> G | 515 | 172 GAC -> GGC | D -> G | SNP (transition) | Substitution | 1 |
| PB2 | C -> T | 516 | 172 GAC -> GAT | | SNP (transition) | None | 1 |
| PB2 | A -> G | 526 | 176 ACT -> GCT | T -> A | SNP (transition) | Substitution | 10 |
| PB2 | C -> T | 625 | 209 CTG -> TTG | | SNP (transition) | None | 9 |
| PB2 | G -> A | 684 | 228 AGG -> AGA | | SNP (transition) | None | 3 |
| PB2 | C -> T | 705 | 235 AGC -> AGT | | SNP (transition) | None | 1 |
| PB2 | A -> G | 708 | 236 TTA -> TTG | | SNP (transition) | None | 9 |
| PB2 | T -> C | 743 | 248 ATA -> ACA | I -> T | SNP (transition) | Substitution | 11 |
| PB2 | T -> C | 918 | 306 ACT -> ACC | | SNP (transition) | None | 2 |
| PB2 | A -> G | 932 | 311 AAT -> AGT | N -> S | SNP (transition) | Substitution | 9 |
| PB2 | G -> T | 943 | 315 GTC -> TTC | V -> F | SNP (transversion) | Substitution | 5 |
| PB2 | G -> A | 951 | 317 AAG -> AAA | | SNP (transition) | None | 11 |
| PB2 | A -> G | 959 | 320 GAA -> GGA | E -> G | SNP (transition) | Substitution | 4 |
| PB2 | A -> G | 1162 | 388 ATT -> GTT | I -> V | SNP (transition) | Substitution | 1 |
| PB2 | T -> C | 1521 | 507 ACT -> ACC | | SNP (transition) | None | 1 |
| PB2 | A -> G | 1530 | 510 TCA -> TCG | | SNP (transition) | None | 1 |
| PB2 | G -> A | 1689 | 563 AAG -> AAA | | SNP (transition) | None | 5 |
| PB2 | G -> A | 1749 | 583 GTG -> GTA | | SNP (transition) | None | 1 |
| PB2 | A -> G | 1812 | 604 GAA -> GAG | | SNP (transition) | None | 3 |
| PB2 | A -> G | 1910 | 637 AAG -> AGG | K -> R | SNP (transition) | Substitution | 3 |