### Table 1

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **pH1N1** | | **sH3N2** | |
| **PB2** | 1. | **66**, 62, 65 | 1. | 67, **63** |
| 2. | 102, 104, 106 | 2. | 141, **221** |
| 3. | 155, 156 | 3. | 394, 398 |
| 4. | **184**, 185 | 4. | **451**, 456, 460, **461**, **463**, 471, 475, 478, 480 |
| 5. | **251**, 255 | 5. | **613**, 615 |
| 6. | 338, 340 | 6. | 674, **676** |
| 7. | 351, 353 |
| 8. | 394, 397 |
| 9. | 411, 414 |
| 10. | 441, 442 |
| 11. | 451, **453** |
| 12. | 385, 478, 480 |
| 13. | 224, 524 |
| 14. | 553, 615, 616 |
| 15. | 660, 661 |
| 16. | 547, 667 |
| 17. | 673, 674, 676  677 |
| **PB1** | 1. | 176, 179 | 1. | **179**, 181 |
| 2. | 216, 219 | 2. | 374, 375 |
| 3. | 423, 469 | 3. | 454, 459 |
| 4. | 525, 527, 530 | 4. | 722, 743, 746, 751, 753 |
| 5. | 637, 640 |
| 6. | 645, **652**, 653 |
| 7. | 753, 754 |
| **PA** | 1. | 20, 22 | 1. | 225, 226 |
| 2. | 63, 65 | 2. | 330, **332** |
| 3. | 231, 233 | 3. | **348**, 350 |
| 4. | **330**, 332 | 4. | 404, 407, **409** |
| 5. | **362**, 363, 364 | 5. | **421**, 423 |
| 6. | 394, 395, 396 | 6. | 552, 554 |
| 7. | 267, 269, 271, 272, 275, 400, 402 | 7. | 712, 713 |
| 8. | 405, 407 |
| 9. | 465, 485 |
| 10. | 521, 369, 505 |
| 11. | 322, 323, 325, 543 |
| 12. | 552, 556 |
| **HA1** | 1. | 120, 121 | 1. | 7, 9, **5**, 6, **3** |
| 2. | 137, 139, 141, **143** | 2. | **25**, 31, **33** |
| 3. | **162**, **163** | 3. | **92**, **94** |
| 4. | 128, 129, 149, 152, **185**, 186, 190, 191 | 4. | 121, 122, 124 |
| 5. | 195, **197** | 5. | 157, **158**, **159**, **160** |
| 6. | 183, 215, 216 | 6. | 188, 192, **193**, 197, **198**, 199 |
| 7. | 222, 223 | 7. | 203, **212** |
| 8. | **203**, 205, 232, **234**, 238 | 8. | 135, 137, 138, 140, **142**, **144**, **145**, **186**, 220, 221, **223**, **225** |
| 9. | 112, 114, 116, 261, 171, **256**, 258, **260** | 9. | 229, **230** |
| 10. | 54, 82, 83, **84**, 85, 86, 268, 270, 271, 272 | 10. | 260, **261**, 262 |
| 11. | 45, 47, 48, 277 | 11. | 47, **48**, **50**, 51, **53**, 272, 273 |
| 12. | 35, 295 | 12. | 289, 291 |
| 13. | **45**, **312** |
| **HA2** |  | NONE | 1. | 147, 149 |
| **NP** | 1. | 61, 63, 66 | 1. | **450**, 451, 453 |
| 2. | **100**, 101, **105** |
| 3. | 119, 120 |
| 4. | 128, 129, 130 |
| 5. | 186, 189, 190, 260 |
| 6. | 318, **373** |
| 7. | 423, 425 |
| **NA** | 1. | 93, 94, 95 | 1. | **81**, **82**, 83 |
| 2. | 115, **117** | 2. | 149, **150**, 151, 148 |
| 3. | 84, 86, 83, 188 | 3. | 329, 331, **332** |
| 4. | 199, **200** | 4. | 238, 254, **267**, 269, 271, 303, 312, 313, 315, 336, **339** |
| 5. | 247, 248 | 5. | 346, 344 |
| 6. | 257, 258, 263, **264**, 265 | 6. | 434, 435 |
| 7. | 269, **270** | 7. | 398, **399**, 400, **401**, 457 |
| 8. | 232, 286, 288 | 8. | 110, 141, **464**, 466, **468**, 469 |
| 9. | 365, 366 |
| 10. | 355, 381 |
| 11. | 388, 389 |
| 12. | 424, 442 |
| 13. | 450, 451, 452, 454 |
| 14. | 394, 396, **397**, 457 |
| 15. | 141, 466, 467 |
| **M1** | 1. | 30, 33 |  | NONE |
|  | 2. | 77, **80** |  |  |
| **M2** | 1. | 25, 27, 28 | 1. | 25, 26, 27, 28 |
| 2. | 39, 41, 42, 43, 44, 46, 48 | 2. | 39, 43, 48, **51**, 55, **56**, 54 |
| 3. | 55, 54 |
| **NS1** | 1. | **2**, 3, 4, 6 | 1. | 22, 23, **26** |
| 2. | 22, 23, 24, 25 | 2. | 101, 103 |
| 3. | **55**, 56, 60 | 3. | 135, 74, 76, 78, 79, 80, 81, **82**, 84, 85, 86, 90, 91, 137 |
| 4. | 71, 72, 73, 75, 76, 78, **80**, 81, 85 | 4. | 55, **56**, **59**, 60, 162, 164, 165, 167 |
| 5. | 94, 96, 98 | 5. | 171, 174 |
| 6. | 101, 103 | 6. | 197, 200 |
| 7. | 135, **90** | 7. | 122, **123**, 127, **129**, 150, 155, 157, 180, 182, 193, 194, 204, 206, 209 |
| 8. | 180, 181, 184, 185 | 8. | 214, 220 |
| 9. | 109, 111, 112, 114, 115, **123**, **125**, 129, 150, 154, 155, 157, 159, 161, 162, 164, 166, 167, 194, 195 | 9. | 224, 225, **226**, 227, 228, 230 |
| 10. | 171, 174, 200, 202, **205**, 206, 209 |
| 11. | 212, 213 |
| **NS2** |  | NONE |  | NONE |

Table 1: Overview of all patches and patch sites.

Overview of all patches and patch sites for each protein of pH1N1 and H2N3 viruses. Sweep-related sites are marked in bold.