### Table 1

|  |  |  |  |  |
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|  | **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.