

**Table 1**

	pH1N1	sH3N2
<b>PB2</b>	1. 66, 62, 65	1. 67, <b>63</b>
	2. 102, 104, 106	2. 141, <b>221</b>
	3. 155, 156	3. 394, 398
	4. <b>184</b> , 185	4. <b>451</b> , 456, 460, <b>461</b> , <b>463</b> , 471, 475, 478, 480
	5. <b>251</b> , 255	5. <b>613</b> , 615
	6. 338, 340	6. 674, <b>676</b>
	7. 351, 353	
	8. 394, 397	
	9. 411, 414	
	10. 441, 442	
	11. 451, <b>453</b>	
	12. 385, 478, 480	
	13. 224, 524	
	14. 553, 615, 616	
	15. 660, 661	
	16. 547, 667	
	17. 673, 674, 676 677	
<b>PB1</b>	1. 176, 179	1. <b>179</b> , 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, <b>652</b> , 653	
	7. 753, 754	
<b>PA</b>	1. 20, 22	1. 225, 226
	2. 63, 65	2. 330, <b>332</b>
	3. 231, 233	3. <b>348</b> , 350
	4. <b>330</b> , 332	4. 404, 407, <b>409</b>
	5. <b>362</b> , 363, 364	5. <b>421</b> , 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		
<b>HA1</b>	1.	120, 121	1.	7, 9, <b>5</b> , 6, <b>3</b>
	2.	137, 139, 141, <b>143</b>	2.	<b>25</b> , 31, <b>33</b>
	3.	<b>162</b> , <b>163</b>	3.	<b>92</b> , <b>94</b>
	4.	128, 129, 149, 152, <b>185</b> , 186, 190, 191	4.	121, 122, 124
	5.	195, <b>197</b>	5.	157, <b>158</b> , <b>159</b> , <b>160</b>
	6.	183, 215, 216	6.	188, 192, <b>193</b> , 197, <b>198</b> , 199
	7.	222, 223	7.	203, <b>212</b>
	8.	<b>203</b> , 205, 232, <b>234</b> , 238	8.	135, 137, 138, 140, <b>142</b> , <b>144</b> , <b>145</b> , <b>186</b> , 220, 221, <b>223</b> , <b>225</b>
	9.	112, 114, 116, 261, 171, <b>256</b> , 258, <b>260</b>	9.	229, <b>230</b>
	10.	54, 82, 83, <b>84</b> , 85, 86, 268, 270, 271, 272	10.	260, <b>261</b> , 262
	11.	45, 47, 48, 277	11.	47, <b>48</b> , <b>50</b> , 51, <b>53</b> , 272, 273
	12.	35, 295	12.	289, 291
			13.	<b>45</b> , <b>312</b>
<b>HA2</b>		NONE	1.	147, 149
<b>NP</b>	1.	61, 63, 66	1.	<b>450</b> , 451, 453
	2.	<b>100</b> , 101, <b>105</b>		
	3.	119, 120		
	4.	128, 129, 130		
	5.	186, 189, 190, 260		
	6.	318, <b>373</b>		
	7.	423, 425		
<b>NA</b>	1.	93, 94, 95	1.	<b>81</b> , <b>82</b> , 83
	2.	115, <b>117</b>	2.	149, <b>150</b> , 151, 148
	3.	84, 86, 83, 188	3.	329, 331, <b>332</b>
	4.	199, <b>200</b>	4.	238, 254, <b>267</b> , 269, 271, 303, 312, 313, 315, 336, <b>339</b>

	5.	247, 248	5.	346, 344
	6.	257, 258, 263, <b>264</b> , 265	6.	434, 435
	7.	269, <b>270</b>	7.	398, <b>399</b> , 400, <b>401</b> , 457
	8.	232, 286, 288	8.	110, 141, <b>464</b> , 466, <b>468</b> , 469
	9.	365, 366		
	10.	355, 381		
	11.	388, 389		
	12.	424, 442		
	13.	450, 451, 452, 454		
	14.	394, 396, <b>397</b> , 457		
	15.	141, 466, 467		
<b>M1</b>	1.	30, 33	NONE	
	2.	77, <b>80</b>		
<b>M2</b>	1.	25, 27, 28	1.	25, 26, 27, 28
	2.	39, 41, 42, 43, 44, 46, 48	2.	39, 43, 48, <b>51</b> , 55, <b>56</b> , 54
	3.	55, 54		
<b>NS1</b>	1.	<b>2</b> , 3, 4, 6	1.	22, 23, <b>26</b>
	2.	22, 23, 24, 25	2.	101, 103
	3.	<b>55</b> , 56, 60	3.	135, 74, 76, 78, 79, 80, 81, <b>82</b> , 84, 85, 86, 90, 91, 137
	4.	71, 72, 73, 75, 76, 78, <b>80</b> , 81, 85	4.	55, <b>56</b> , <b>59</b> , 60, 162, 164, 165, 167
	5.	94, 96, 98	5.	171, 174
	6.	101, 103	6.	197, 200
	7.	135, <b>90</b>	7.	122, <b>123</b> , 127, <b>129</b> , 150, 155, 157, 180, 182, 193, 194, 204, 206, 209
	8.	180, 181, 184, 185	8.	214, 220
	9.	109, 111, 112, 114, 115, <b>123</b> , <b>125</b> , 129, 150, 154, 155, 157, 159, 161, 162, 164, 166, 167, 194, 195	9.	224, 225, <b>226</b> , 227, 228, 230
	10.	171, 174, 200, 202, <b>205</b> , 206, 209		
	11.	212, 213		
<b>NS2</b>	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.