## Figure S1.

```
CA04/09             MKAILVVLLYTFATANADTLCIGYHANNSTDTVDTVLEKNVTVTHSVNLLEDKHNGKLCK
A/SC/1/18           MEARLLVLLCAFAATNADTICIGYHANNSTDTVDTVLEKNVTVTHSVNLLEDSHNGKLCK
A/Brisbane/59/07    MKVKLLVLLCTFTATYADTICIGYHANNSTDTVDTVLEKNVTVTHSVNLLENSHNGKLCL
                    *:. *:*** :*::: ***:*********************************:.******

CA04/09             LRGVAPLHLGKCNIAGWILGNPECESLSTASSWSYIVETPSSDNGTCYPGDFIDYEELRE
A/SC/1/18           LKGIAPLQLGKCNIAGWLLGNPECDLLLTASSWSYIVETSNSENGTCYPGDFIDYEELRE
A/Brisbane/59/07    LKGIAPLQLGNCSVAGWILGNPECELLISKESWSYIVEKPNPENGTCYPGHFADYEELRE
                    *:*:***:**:*.:***:******: * : .*******....:*******.* *******

CA04/09             QLSSVSSFERFEIFPKTSSWPNHDSNKGVTAACPHAGAKSFYKNLIWLVKKGNSYPKLSK
A/SC/1/18           QLSSVSSFEKFEIFPKTSSWPNHETTKGVTAACSYAGASSFYRNLLWLTKKGSSYPKLSK
A/Brisbane/59/07    QLSSVSSFERFEIFPKESSWPNHTVT-GVSASCSHNGESSFYRNLLWLTGKNGLYPNLSK
                    *********:****** ******  . **:*:*.: * .***:**:**. *.. **:***

                                       186  190                         219   225
CA04/09             SYINDKGKEVLVLWGIHHPSTSADQQSLYQNADTYVFVGSSRYSKKFKPEIAIRPKVRDQ
A/SC/1/18           SYVNNKGKEVLVLWGVHHPPTGTDQQSLYQNADAYVSVGSSKYNRRFTPEIAARPKVRDQ
A/Brisbane/59/07    SYANNKEKEVLVLWGVHHPPNIGDQKALYHTENAYVSVVSSHYSRKFTPEIAKRPKVRDQ
                    ** *:* ********:***..  **::**:. ::** * **:*.::*.**** *******

                    227
CA04/09             EGRMNYYWTLVEPGDKITFEATGNLVVPRYAFAMERNAGSGIIISDTPVHDCNTTCQTPK
A/SC/1/18           AGRMNYYWTLLEPGDTITFEATGNLIAPWYAFALNRGSGSGIITSDAPVHDCNTKCQTPH
A/Brisbane/59/07    EGRINYYWTLLEPGDTIIFEANGNLIAPRYAFALSRGFGSGIINSNAPMDKCDAKCQTPQ
                     **:******:****.* ***.***:.* ****:.*. ***** *:: :..*::.****:

CA04/09             GAINTSLPFQNIHPITIGKCPKYVKSTKLRLATGLRNIPSIQSR
A/SC/1/18           GAINSSLPFQNIHPVTIGECPKYVRSTKLRMATGLRNIPSIQSR
A/Brisbane/59/07    GAINSSLPFQNVHPVTIGECPKYVRSAKLRMVTGLRNIPSIQSR
                    ****:******:**:***:*****:*:***:.************
```