1. The excel file “S1\_data\_titercomp\_ver2.xlsx” summarized the HI and MN titers of 609 matched serum/EDTA-plasma specimens against A/H1N1/California/7/2009 and A/H3N2/Victoria/210/2009.

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| --- | --- | --- |
| **Column** | **Explanation** | **Notes** |
| H1\_HI\_serum | A/H1N1 HI titer of serum |  |
| H1\_MN\_serum | A/H1N1 MN titer of serum |  |
| H3\_HI\_serum | A/H3N2 HI titer of serum |  |
| H3\_MN\_serum | A/H3N2 HI titer of serum |  |
| H1\_HI\_plasma | A/H1N1 HI titer of plasma |  |
| H1\_MN\_plasma | A/H1N1 MN titer of plasma |  |
| H3\_HI\_plasma | A/H3N2 HI titer of plasma |  |
| H3\_MN\_plasma | A/H3N2 MN titer of plasma |  |
| Birth\_year | Year of birth |  |
| Donation\_yearmon | Month/Year of donation |  |
| age | Donor age | age = year of donation – year of birth |
| agegrp | Donor age group |  |

1. The excel file “S2\_data\_H3\_ver2.xlsx” summarized the HI titer of 376 paired EDTA-plasma specimens against A/H3N2/Victoria/210/2009.

|  |  |  |
| --- | --- | --- |
| **Column** | **Explanation** | **Notes** |
| HI\_preH3 | HI titer in Jul 2010 |  |
| Donation\_preH3\_yearmon | Donation in Jul 2010 |  |
| HI\_postH3 | HI titer in Dec 2010 |  |
| Donation\_postH3\_yearmon | Donation in Dec 2010 |  |
| Birth\_year | Year of birth |  |
| age | Donor age | age = 2010 – year of birth |
| agegrp | Donor age group |  |

1. The excel file “S3\_data\_H1\_ver2.xlsx” summarized the HI titer of 392 paired EDTA-plasma specimens against A/H1N1/California/7/2009.

|  |  |  |
| --- | --- | --- |
| **Column** | **Explanation** | **Notes** |
| HI\_preH1 | HI titer in Dec 2010 |  |
| Donation\_preH1\_yearmon | Donation in Dec 2010 |  |
| HI\_postH1 | HI titer in Apr 2011 |  |
| Donation\_postH1\_yearmon | Donation in Apr 2011 |  |
| Birth\_year | Year of birth |  |
| age | Donor age | age = 2010 – year of birth.  Donors aged 55-56 were grouped into the 56-65 age group to ensure the sub-group sample size is sufficient for age standardization. |
| agegrp | Donor age group |  |