Supplementary Table 2. Phenotypic correlations among the 11 traits in 2012, 2013 and 2014.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 　 | PW2012 | PH2012 | AD2012 | EL2012 | LN2012 | LL2012 | LW2012 | RW2012 | RL2012 | RD2012 | RS2012 |
| PW2012 | 1 |  |  |  |  |  |  |  |  |  |  |
| PH2012 | 0.731\*\* | 1 |  |  |  |  |  |  |  |  |  |
| AD2012 | 0.721\*\* | 0.887\*\* | 1 |  |  |  |  |  |  |  |  |
| EL2012 | 0.705\*\* | 0.712\*\* | 0.663\*\* | 1 |  |  |  |  |  |  |  |
| LN2012 | 0.573\*\* | 0.637\*\* | 0.655\*\* | 0.468\*\* | 1 |  |  |  |  |  |  |
| LL2012 | 0.702\*\* | 0.906\*\* | 0.919\*\* | 0.641\*\* | 0.575\*\* | 1 |  |  |  |  |  |
| LW2012 | 0.722\*\* | 0.861\*\* | 0.910\*\* | 0.650\*\* | 0.607\*\* | 0.911\*\* | 1 |  |  |  |  |
| RW2012 | 0.933\*\* | 0.701\*\* | 0.693\*\* | 0.748\*\* | 0.503\*\* | 0.669\*\* | 0.676\*\* | 1 |  |  |  |
| RL2012 | 0.753\*\* | 0.855\*\* | 0.774\*\* | 0.844\*\* | 0.531\*\* | 0.779\*\* | 0.753\*\* | 0.770\*\* | 1 |  |  |
| RD2012 | 0.640\*\* | 0.651\*\* | 0.738\*\* | 0.515\*\* | 0.582\*\* | 0.720\*\* | 0.765\*\* | 0.642\*\* | 0.602\*\* | 1 |  |
| RS2012 | 0.501\*\* | 0.601\*\* | 0.599\*\* | 0.665\*\* | 0.412\*\* | 0.588\*\* | 0.558\*\* | 0.547\*\* | 0.729\*\* | 0.456\* | 1 |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 　 | PW2013 | PH2013 | AD2013 | EL2013 | LN2013 | LL2013 | LW2013 | RW2013 | RL2013 | RD2013 | RS2013 |
| PW2013 | 1 |  |  |  |  |  |  |  |  |  |  |
| PH2013 | 0.805\*\* | 1 |  |  |  |  |  |  |  |  |  |
| AD2013 | 0.765\*\* | 0.902\*\* | 1 |  |  |  |  |  |  |  |  |
| EL2013 | 0.672\*\* | 0.821\*\* | 0.746\*\* | 1 |  |  |  |  |  |  |  |
| LN2013 | 0.720\*\* | 0.807\*\* | 0.788\*\* | 0.664\*\* | 1 |  |  |  |  |  |  |
| LL2013 | 0.758\*\* | 0.912\*\* | 0.946\*\* | 0.752\*\* | 0.755\*\* | 1 |  |  |  |  |  |
| LW2013 | 0.732\*\* | 0.876\*\* | 0.908\*\* | 0.723\*\* | 0.726\*\* | 0.956\*\* | 1 |  |  |  |  |
| RW2013 | 0.934\*\* | 0.744\*\* | 0.711\*\* | 0.606\*\* | 0.619\*\* | 0.716\*\* | 0.675\*\* | 1 |  |  |  |
| RL2013 | 0.758\*\* | 0.835\*\* | 0.743\*\* | 0.606\*\* | 0.675\*\* | 0.761\*\* | 0.749\*\* | 0.754\*\* | 1 |  |  |
| RD2013 | 0.782\*\* | 0.796\*\* | 0.833\*\* | 0.660\*\* | 0.750\*\* | 0.860\*\* | 0.841\*\* | 0.757\*\* | 0.671\*\* | 1 |  |
| RS2013 | 0.407\* | 0.658\*\* | 0.596\*\* | 0.461\* | 0.547\*\* | 0.601\*\* | 0.603\*\* | 0.391\* | 0.763\*\* | 0.455\* | 1 |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 　 | PW2014 | PH2014 | AD2014 | EL2014 | LN2014 | LL2014 | LW2014 | RW2014 | RL2014 | RD2014 | RS2014 |
| PW2014 | 1 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 | 　 |  |
| PH2014 | 0.518\*\* | 1 |  |  |  |  |  |  |  |  |  |
| AD2014 | 0.541\*\* | 0.524\*\* | 1 |  |  |  |  |  |  |  |  |
| EL2014 | 0.372\*\* | 0.378\*\* | 0.387\*\* | 1 |  |  |  |  |  |  |  |
| LN2014 | 0.477\*\* | 0.252\*\* | 0.416\*\* | 0.300\*\* | 1 |  |  |  |  |  |  |
| LL2014 | 0.518\*\* | 10.000\*\* | 0.524\*\* | 0.378\*\* | 0.252\*\* | 1 |  |  |  |  |  |
| LW2014 | 0.550\*\* | 0.623\*\* | 0.540\*\* | 0.362\*\* | 0.382\*\* | 0.623\*\* | 1 |  |  |  |  |
| RW2014 | 0.894\*\* | 0.419\*\* | 0.411\*\* | 0.268\*\* | 0.325\*\* | 0.419\*\* | 0.359\*\* | 1 |  |  |  |
| RL2014 | 0.594\*\* | 0.328\*\* | 0.304\*\* | 0.696\*\* | 0.305\*\* | 0.328\*\* | 0.267\*\* | 0.553\*\* | 1 |  |  |
| RD2014 | 0.838\*\* | 0.443\*\* | 0.447\*\* | 0.221\*\* | 0.309\*\* | 0.443\*\* | 0.481\*\* | 0.816\*\* | 0.325\*\* | 1 |  |
| RS2014 | 0.679\*\* | 0.060\*\* | 0.207\* | 0.691\* | 0.959\*\* | 0.050\* | 0.270\* | 0.515\*\* | 0.679\*\* | 0.300\* | 1 |

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| \*\* Correlation is significant at the 0.01 level (2-tailed) |
| \* Correlation is significant at the 0.05 level (2-tailed) |