

Table S2. Summary of MDR findings for RA

| No. of factor | Combination | CV* consistency | Prediction error (%) | Pvalue |
|---------------|--|-----------------|----------------------|--------|
| 2 | -3479T>G (<i>CD86</i>), -3458A>G (<i>CD40LG</i>) | 9/10 | 33.4 | 0.019 |
| 3 | -3479T>G (<i>CD86</i>), -3458A>G (<i>CD40LG</i>), +49A>G (<i>CTLA4</i>) | 6/10 | 43.1 | 0.451 |
| 4 | -3479T>G (<i>CD86</i>), -3458A>G (<i>CD40LG</i>), +49A>G (<i>CTLA4</i>) -1C>T (<i>CD40</i>) | 6/10 | 44.6 | 0.541 |
| 5 | -3479T>G (<i>CD86</i>), -3458A>G (<i>CD40LG</i>), +49A>G (<i>CTLA4</i>), -1C>T (<i>CD40</i>), IVS3+17T>C (<i>CD28</i>) | 3/10 | 49.4 | 0.946 |

*Cross validation.