**Table S2.** Univariate LR analysis of covariates defined in table S1. The parameter estimates and training-set AUROC statistics were obtained by fitting univariate LR models to the 2009 data. The chi-square test based P values of all estimates were less than 0.0001.

|  |  |  |
| --- | --- | --- |
| Covariate Name | Estimate | Training AUROC |
| jackard | 10.33 | 0.89 |
| jackard\_max2\_prod | 11.84 | 0.98 |
| jackard\_max2\_mean | 15.33 | 0.98 |
| degree\_prod | 6.3E-5 | 0.86 |
| cccnw\_max | 1.06 | 0.84 |
| betw\_prod | 9.1E-7 | 0.8 |
| atc\_min | -0.22 | 0.57 |
| atc\_min2\_prod | -0.24 | 0.95 |
| atc\_mean2\_prod | -0.14 | 0.84 |
| str\_jackard | 2.38 | 0.59 |
| str\_jackard\_max2\_prod | 11.06 | 0.92 |
| str\_jackard\_mean2\_prod | 42.98 | 0.7 |