**Supplementary Table 6**
*(test inhibitor, predicted node)* pairs disregarded in the scoring procedure for the time-course prediction sub-challeng
A *(test inhibitor, predicted node)* pair was disregarded from scoring if no team achieved a statistically significant RMS
Pairs where the test inhibitor or predicted node were dummy nodes were also disregarded, as were pairs with test in

1 = used in scoring procedure
0 = disregarded in scoring procedure
n/a = no predictions were made for pairs where the inhibited node and predicted node are the same *(ABx,ABx)*

|  | AB1 (AKT#P#P) | AB2 (PIP3) | AB3 (DUMMY) | AB4 (ERK#P) | AB5 (ErbB2#P) | AB6 (RAF#P) |
|---|---|---|---|---|---|---|
| AB1 (AKT#P#P) | n/a | 1 | 0 | 1 | 1 | 1 |
| AB2 (PIP3) | 1 | n/a | 0 | 1 | 1 | 1 |
| AB3 (DUMMY) | 0 | 0 | n/a | 0 | 0 | 0 |
| AB4 (ERK#P) | 1 | 1 | 0 | n/a | 1 | 1 |
| AB5 (ErbB2#P) | 1 | 1 | 0 | 1 | n/a | 1 |
| AB6 (RAF#P) | 1 | 1 | 0 | 1 | 1 | n/a |
| AB7 (SHC#P) | 1 | 1 | 0 | 1 | 1 | 1 |
| AB8 (MEK#P) | 1 | 1 | 0 | 1 | 1 | 1 |
| AB9 (PIP2) | 0 | 0 | 0 | 0 | 0 | 0 |
| AB10 (ErbB4#P) | 1 | 1 | 0 | 1 | 1 | 1 |
| AB11 (AKT#P) | 1 | 1 | 0 | 1 | 1 | 1 |
| AB12 (ErbB1#P) | 1 | 1 | 0 | 1 | 1 | 1 |
| AB13 (DUMMY) | 0 | 0 | 0 | 0 | 0 | 0 |
| AB14 (SOS#P) | 1 | 1 | 0 | 1 | 1 | 1 |
| AB15 (Gab1#P) | 1 | 1 | 0 | 1 | 1 | 1 |
| AB16 (MEK#P#P) | 1 | 1 | 0 | 0 | 1 | 1 |
| AB17 (Ras:GTP) | 1 | 1 | 0 | 1 | 1 | 1 |
| AB18 (DUMMY) | 0 | 0 | 0 | 0 | 0 | 0 |
| AB19 (ERK#P#P) | 1 | 1 | 0 | 1 | 1 | 1 |
| AB20 (ErbB3#P) | 1 | 1 | 0 | 1 | 1 | 1 |

test inhibitor target node

ge *in silico* data task (SC2B).
SE score for that pair.
hibitor AB9 (due to unavailability of test data). See Supplementary Note 6 for details of scoring procedure.

| predicted node | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| AB7 (SHC#P) | AB8 (MEK#P) | AB9 (PIP2) | AB10 (ErbB4#P) | AB11 (AKT#P) | AB12 (ErbB1#P) | AB13 (DUMMY) | AB14 (SOS#P) | AB15 (Gab1#P) |
| 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 |
| n/a | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 |
| 1 | n/a | 1 | 1 | 1 | 1 | 0 | 1 | 1 |
| 0 | 0 | n/a | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | n/a | 1 | 1 | 0 | 1 | 1 |
| 1 | 1 | 1 | 1 | n/a | 1 | 0 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | n/a | 0 | 1 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | n/a | 0 | 0 |
| 1 | 1 | 1 | 1 | 1 | 1 | 0 | n/a | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | n/a |
| 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 |

| AB16 (MEK#P#P) | AB17 (Ras:GTP) | AB18 (DUMMY) | AB19 (ERK#P#P) | AB20 (ErbB3#P) |
|---|---|---|---|---|
| 1 | 1 | 0 | 1 | 1 |
| 1 | 1 | 0 | 1 | 1 |
| 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 0 | 1 | 1 |
| 1 | 1 | 0 | 1 | 1 |
| 1 | 1 | 0 | 1 | 1 |
| 1 | 1 | 0 | 1 | 1 |
| 1 | 1 | 0 | 1 | 1 |
| 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 0 | 1 | 1 |
| 1 | 1 | 0 | 1 | 1 |
| 1 | 1 | 0 | 1 | 1 |
| 0 | 0 | 0 | 0 | 0 |
| 1 | 1 | 0 | 1 | 1 |
| 1 | 1 | 0 | 1 | 1 |
| n/a | 1 | 0 | 1 | 1 |
| 1 | n/a | 0 | 1 | 1 |
| 0 | 0 | n/a | 0 | 0 |
| 1 | 1 | 0 | n/a | 1 |
| 1 | 1 | 0 | 1 | n/a |