Table 6: Inter-experiment cross-validation results after calibration. Red indicates p < 0.01, Blue indicates p < 0.05. For Phase 1 test sets where there were high and low concentrations (which cannot be independently evaluated, since they share a control group), only the set with better cross-validation results was included. Shaded blocks on the diagonal are results from cross-validation, while off-diagonal values represent results from separate experiments.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  **P2R1B** | **P2R1B** | **P2R1C** | **P2R1E** | **P2R1P** | **P2R2B** | **P2R2C** | **P2R2E** | **P2R2P** | **P2R3B** | **P2R3C** | **P2R3E** | **P2R3P** | **P1BH** | **P1CL** | **P1EH** | **P1PH** |
| **0.991** | NA | NA | NA | **0.999** | **0.899** | **0.951** | **0.853** | **0.999** | 0.556 | **0.698** | 0.645 | **0.912** | 0.507 | **0.999** | **0.882** |
| **P2R1C** | NA | 0.479 | NA | NA | **0.936** | 0.556 | 0.485 | 0.544 | 0.675 | 0.577 | 0.540 | 0.539 | 0.550 | 0.300 | 0.630 | **0.768** |
| **P2R1E** | NA | NA | 0.469 | NA | **0.958** | 0.573 | 0.596 | 0.564 | **0.684** | 0.537 | 0.504 | 0.559 | **0.775** | 0.743 | 0.759 | 0.695 |
| **P2R1P** | NA | NA | NA | **0.785** | **0.894** | 0.431 | 0.451 | 0.508 | **0.855** | 0.585 | 0.525 | 0.505 | 0.388 | 0.393 | **0.999** | **0.818** |
| **P2R2B** | **0.999** | 0.594 | 0.597 | 0.655 | **0.999** | NA | NA | NA | **0.999** | 0.546 | 0.685 | 0.673 | **0.931** | 0.614 | **0.999** | **0.859** |
| **P2R2C** | **0.693** | 0.558 | 0.447 | 0.478 | NA | 0.529 | NA | NA | **0.716** | 0.590 | 0.662 | 0.618 | **0.788** | 0.629 | 0.519 | **0.882** |
| **P2R2E** | **0.982** | 0.527 | 0.309 | 0.405 | NA | NA | 0.691 | NA | **0.995** | **0.890** | **0.775** | **0.777** | **0.988** | **0.829** | **0.889** | 0.750 |
| **P2R2P** | **0.857** | **0.733** | 0.575 | **0.702** | NA | NA | NA | 0.739 | **0.691** | 0.531 | 0.506 | 0.539 | 0.625 | 0.400 | 0.852 | **0.891** |
| **P2R3B** | **0.995** | 0.585 | 0.619 | 0.582 | **0.999** | **0.816** | **0.892** | 0.683 | **0.999** | NA | NA | NA | **0.975** | 0.629 | **0.999** | 0.632 |
| **P2R3C** | **0.814** | 0.529 | 0.434 | 0.542 | **0.700** | 0.583 | **0.914** | 0.533 | NA | 0.623 | NA | NA | **0.975** | 0.671 | 0.667 | 0.418 |
| **P2R3E** | **0.927** | 0.617 | 0.462 | 0.585 | **0.861** | 0.608 | **0.815** | 0.664 | NA | NA | 0.350 | NA | **0.988** | 0.543 | 0.519 | 0.518 |
| **P2R3P** | **0.761** | 0.508 | 0.472 | 0.605 | **0.700** | 0.510 | 0.580 | 0.681 | NA | NA | NA | 0.418 | **0.888** | 0.736 | 0.259 | 0.677 |
| **P1BH** | 0.636 | 0.540 | 0.556 | 0.552 | **0.847** | 0.649 | **0.762** | **0.747** | **0.861** | **0.748** | **0.767** | **0.745** | **0.999** | **0.999** | 0.444 | 0.668 |
| **P1CL** | **0.686** | 0.492 | 0.419 | 0.578 | **0.703** | 0.601 | 0.605 | 0.464 | 0.682 | 0.602 | 0.415 | 0.673 | **0.999** | **0.999** | 0.796 | 0.586 |
| **P1EH** | **0.986** | **0.740** | 0.572 | 0.670 | **0.999** | **0.851** | **0.818** | **0.744** | **0.982** | 0.617 | 0.577 | 0.627 | **0.999** | **0.764** | **0.963** | **0.873** |
| **P1PH** | **0.805** | 0.498 | 0.503 | 0.513 | **0.922** | 0.677 | 0.528 | 0.594 | 0.634 | 0.369 | 0.450 | 0.418 | 0.606 | 0.564 | 0.815 | **0.868** |