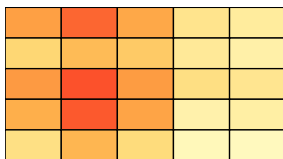
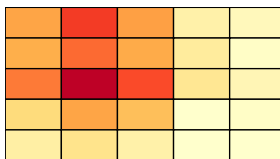


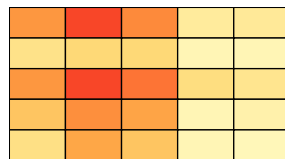
overall



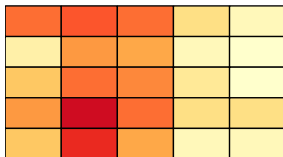
Europe:France



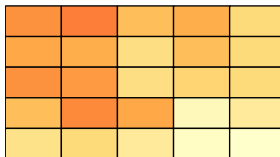
Europe:Germany



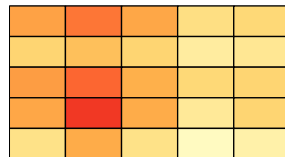
Europe:Italy



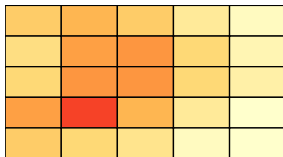
Europe:UK



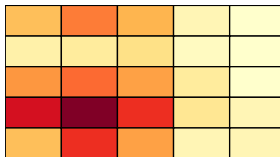
Europe:others



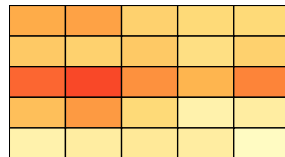
Japan



Russia



USA



Q18\*:MPI thread level

|            |     |      |      |     |     |
|------------|-----|------|------|-----|-----|
| SINGLE     | 0   | 0.44 | 0.88 | 1.3 | 1.8 |
| FUNNELED   | 2.2 | 2.6  | 3.1  | 3.5 | 4   |
| MULTIPLE   | 4.4 | 4.9  | 5.3  | 5.7 | 6.2 |
| never used | 6.6 | 7.1  | 7.5  | 7.9 | 8.4 |
| No idea    | 8.8 | 9.3  | 9.7  | 10  | 11  |

MPICH

OMPI

Intel

MVA

Cray

Q12\*:MPI Implementation