

## **An SVM-based predictor for lipid exposure of TM helices**

### *Details of LOOCV performances during model development*

In TMexpo, we simply followed conventional grid search within certain parameter ranges and calculated performances of LOOCV to determine the best set of parameters to train the development model. The parameters of the models were optimized by chain-wise LOOCV procedure on the development set. Indeed, this procedure is heavily time-consuming and needs extreme large amount of space to store all models. For classifying burial/exposed status of TM residues, we adopted RBF kernel and searched parameters within all combinations of cost  $c$  ( $2^0, 2^1, 2^2, 2^3, 2^4, 2^5$ ) and gamma  $g$  ( $2^{-6}, 2^{-5}, 2^{-4}, 2^{-3}$ ). For real-number rASA regression prediction of TM residues, we also adopted RBF kernel and searched parameters within all combinations of cost  $c$  ( $2^{-2}, 2^{-1}, 2^0, 2^1, 2^2$ ), gamma  $g$  ( $2^{-6}, 2^{-5}, 2^{-4}, 2^{-3}$ ), loss function  $p$  ( $10^{-4}, 10^{-3}, 10^{-2}$ ) and tolerance of termination criterion  $e$  ( $10^{-3}, 10^{-2}, 10^{-1}$ ). Table A1 and Table A2 demonstrate the performance corresponding to each parameter. Table A1 is sorted by MCC (Matthew's correlation coefficient) value and Table A2 is sorted by PCC (Pearson correlation coefficient) value. Finally, the best set of parameters to train the exposed/buried residues classification model is of cost  $c = 2^1$  and gamma  $g = 2^{-4}$ ; and the best set of parameters to train the real-number rASA regression model is of cost  $c = 2^{-1}$ , gamma  $g = 2^{-5}$ , loss function  $p = 10^{-3}$  and tolerance of termination criterion  $e = 10^{-2}$ .

Table A1. LOOCV performances correspond to parameters for classifying exposed/buried residues of TM residues. The table is sorted by MCC (Matthew's correlation coefficient) value, and the best set of parameters for model development is selected by the best MCC value.

| c (cost) | g (gamma)     | MCC           | accuracy      | sensitivity   | specificity   | precision     |
|----------|---------------|---------------|---------------|---------------|---------------|---------------|
| <b>2</b> | <b>0.0625</b> | <b>0.5197</b> | <b>0.7632</b> | <b>0.8039</b> | <b>0.7131</b> | <b>0.7752</b> |
| 4        | 0.0625        | 0.5183        | 0.7625        | 0.8035        | 0.7121        | 0.7745        |
| 8        | 0.0625        | 0.5180        | 0.7624        | 0.8033        | 0.7121        | 0.7744        |
| 16       | 0.0625        | 0.5180        | 0.7624        | 0.8033        | 0.7121        | 0.7744        |
| 32       | 0.0625        | 0.5180        | 0.7624        | 0.8033        | 0.7121        | 0.7744        |
| 1        | 0.03125       | 0.5154        | 0.7603        | 0.7832        | 0.7321        | 0.7825        |
| 2        | 0.03125       | 0.5121        | 0.7587        | 0.7811        | 0.7311        | 0.7814        |
| 4        | 0.03125       | 0.5113        | 0.7584        | 0.7844        | 0.7264        | 0.7792        |
| 8        | 0.03125       | 0.5102        | 0.7580        | 0.7847        | 0.7251        | 0.7784        |
| 16       | 0.03125       | 0.5093        | 0.7575        | 0.7842        | 0.7246        | 0.7780        |
| 32       | 0.03125       | 0.5093        | 0.7575        | 0.7842        | 0.7246        | 0.7780        |
| 1        | 0.0625        | 0.5088        | 0.7578        | 0.7984        | 0.7079        | 0.7708        |
| 2        | 0.015625      | 0.5052        | 0.7550        | 0.7743        | 0.7314        | 0.7801        |
| 1        | 0.015625      | 0.5014        | 0.7534        | 0.7768        | 0.7246        | 0.7763        |
| 4        | 0.015625      | 0.4975        | 0.7513        | 0.7717        | 0.7261        | 0.7762        |
| 8        | 0.015625      | 0.4907        | 0.7481        | 0.7724        | 0.7183        | 0.7714        |
| 32       | 0.015625      | 0.4906        | 0.7480        | 0.7717        | 0.7188        | 0.7716        |
| 16       | 0.015625      | 0.4891        | 0.7473        | 0.7713        | 0.7178        | 0.7708        |
| 2        | 0.125         | 0.4284        | 0.7108        | 0.9146        | 0.4601        | 0.6758        |
| 4        | 0.125         | 0.4282        | 0.7107        | 0.9146        | 0.4598        | 0.6757        |
| 8        | 0.125         | 0.4282        | 0.7107        | 0.9146        | 0.4598        | 0.6757        |
| 16       | 0.125         | 0.4282        | 0.7107        | 0.9146        | 0.4598        | 0.6757        |
| 32       | 0.125         | 0.4282        | 0.7107        | 0.9146        | 0.4598        | 0.6757        |
| 1        | 0.125         | 0.3905        | 0.6885        | 0.9320        | 0.3889        | 0.6524        |

Table A2. LOOCV performances correspond to parameters for real-number rASA regression model of TM residues. The table is sorted by PCC (Pearson correlation coefficient) value, and the best set of parameters for model development is selected by the best PCC value. RMSD stands for root-mean-square deviation, and MAE stands for mean absolute error.

| c (cost)   | g (gamma)      | p (loss function) | e (tolerance of termination criterion) | PCC           | RMSD          | MAE           |
|------------|----------------|-------------------|--|---------------|---------------|---------------|
| <b>0.5</b> | <b>0.03125</b> | <b>0.001</b>      | <b>0.01</b>                            | <b>0.6549</b> | <b>0.1745</b> | <b>0.1280</b> |
| 0.5        | 0.03125        | 0.0001            | 0.01                                   | 0.6548        | 0.1745        | 0.1279        |
| 0.5        | 0.03125        | 0.0001            | 0.001                                  | 0.6548        | 0.1745        | 0.1279        |
| 0.5        | 0.03125        | 0.001             | 0.001                                  | 0.6548        | 0.1745        | 0.1280        |
| 0.5        | 0.03125        | 0.01              | 0.01                                   | 0.6546        | 0.1745        | 0.1285        |
| 0.5        | 0.03125        | 0.01              | 0.001                                  | 0.6546        | 0.1745        | 0.1285        |
| 0.5        | 0.03125        | 0.001             | 0.1                                    | 0.6538        | 0.1746        | 0.1286        |
| 0.5        | 0.03125        | 0.01              | 0.1                                    | 0.6533        | 0.1747        | 0.1293        |
| 0.5        | 0.03125        | 0.0001            | 0.1                                    | 0.6532        | 0.1748        | 0.1286        |
| 1          | 0.03125        | 0.0001            | 0.1                                    | 0.6527        | 0.1748        | 0.1302        |
| 1          | 0.03125        | 0.0001            | 0.001                                  | 0.6526        | 0.1749        | 0.1298        |
| 1          | 0.03125        | 0.001             | 0.01                                   | 0.6526        | 0.1749        | 0.1299        |
| 1          | 0.03125        | 0.001             | 0.001                                  | 0.6526        | 0.1749        | 0.1299        |
| 1          | 0.03125        | 0.0001            | 0.01                                   | 0.6526        | 0.1749        | 0.1299        |
| 1          | 0.03125        | 0.01              | 0.001                                  | 0.6520        | 0.1749        | 0.1304        |
| 1          | 0.03125        | 0.01              | 0.01                                   | 0.6520        | 0.1750        | 0.1304        |
| 1          | 0.03125        | 0.001             | 0.1                                    | 0.6519        | 0.1750        | 0.1303        |
| 2          | 0.03125        | 0.0001            | 0.1                                    | 0.6513        | 0.1751        | 0.1305        |
| 2          | 0.03125        | 0.0001            | 0.01                                   | 0.6512        | 0.1751        | 0.1302        |
| 2          | 0.03125        | 0.001             | 0.01                                   | 0.6512        | 0.1752        | 0.1302        |
| 2          | 0.03125        | 0.0001            | 0.001                                  | 0.6512        | 0.1752        | 0.1302        |
| 4          | 0.03125        | 0.0001            | 0.01                                   | 0.6512        | 0.1752        | 0.1302        |
| 4          | 0.03125        | 0.0001            | 0.001                                  | 0.6511        | 0.1752        | 0.1302        |
| 2          | 0.03125        | 0.001             | 0.001                                  | 0.6511        | 0.1752        | 0.1302        |
| 4          | 0.03125        | 0.001             | 0.001                                  | 0.6511        | 0.1752        | 0.1302        |
| 4          | 0.03125        | 0.001             | 0.01                                   | 0.6511        | 0.1752        | 0.1302        |
| 4          | 0.03125        | 0.0001            | 0.1                                    | 0.6509        | 0.1752        | 0.1306        |
| 1          | 0.03125        | 0.01              | 0.1                                    | 0.6508        | 0.1752        | 0.1311        |
| 4          | 0.03125        | 0.001             | 0.1                                    | 0.6508        | 0.1752        | 0.1307        |
| 2          | 0.03125        | 0.01              | 0.001                                  | 0.6507        | 0.1752        | 0.1307        |
| 4          | 0.03125        | 0.01              | 0.01                                   | 0.6507        | 0.1752        | 0.1307        |
| 4          | 0.03125        | 0.01              | 0.001                                  | 0.6507        | 0.1752        | 0.1307        |
| 2          | 0.03125        | 0.01              | 0.01                                   | 0.6506        | 0.1752        | 0.1307        |
| 2          | 0.03125        | 0.001             | 0.1                                    | 0.6504        | 0.1753        | 0.1308        |
| 4          | 0.03125        | 0.01              | 0.1                                    | 0.6501        | 0.1753        | 0.1314        |

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| 0.25 | 0.03125  | 0.01   | 0.01  | 0.6499 | 0.1763 | 0.1267 |
| 0.25 | 0.03125  | 0.0001 | 0.001 | 0.6499 | 0.1766 | 0.1262 |
| 0.25 | 0.03125  | 0.001  | 0.01  | 0.6499 | 0.1766 | 0.1262 |
| 0.25 | 0.03125  | 0.001  | 0.001 | 0.6498 | 0.1766 | 0.1262 |
| 0.25 | 0.03125  | 0.01   | 0.001 | 0.6498 | 0.1763 | 0.1267 |
| 0.25 | 0.03125  | 0.0001 | 0.01  | 0.6498 | 0.1766 | 0.1262 |
| 2    | 0.03125  | 0.01   | 0.1   | 0.6497 | 0.1754 | 0.1314 |
| 0.25 | 0.03125  | 0.0001 | 0.1   | 0.6493 | 0.1765 | 0.1267 |
| 0.25 | 0.03125  | 0.001  | 0.1   | 0.6492 | 0.1765 | 0.1267 |
| 0.25 | 0.03125  | 0.01   | 0.1   | 0.6487 | 0.1764 | 0.1274 |
| 0.5  | 0.015625 | 0.0001 | 0.01  | 0.6474 | 0.1773 | 0.1272 |
| 0.5  | 0.015625 | 0.001  | 0.001 | 0.6473 | 0.1772 | 0.1272 |
| 0.5  | 0.015625 | 0.001  | 0.01  | 0.6473 | 0.1772 | 0.1272 |
| 0.5  | 0.015625 | 0.0001 | 0.001 | 0.6473 | 0.1773 | 0.1272 |
| 0.5  | 0.015625 | 0.01   | 0.001 | 0.6471 | 0.1770 | 0.1275 |
| 0.5  | 0.015625 | 0.01   | 0.01  | 0.6471 | 0.1771 | 0.1275 |
| 1    | 0.015625 | 0.0001 | 0.1   | 0.6463 | 0.1769 | 0.1300 |
| 0.5  | 0.015625 | 0.001  | 0.1   | 0.6461 | 0.1774 | 0.1278 |
| 1    | 0.015625 | 0.01   | 0.1   | 0.6458 | 0.1769 | 0.1307 |
| 0.5  | 0.015625 | 0.01   | 0.1   | 0.6458 | 0.1772 | 0.1281 |
| 1    | 0.015625 | 0.001  | 0.1   | 0.6457 | 0.1770 | 0.1303 |
| 1    | 0.015625 | 0.01   | 0.01  | 0.6457 | 0.1770 | 0.1303 |
| 1    | 0.015625 | 0.01   | 0.001 | 0.6456 | 0.1770 | 0.1303 |
| 1    | 0.015625 | 0.001  | 0.01  | 0.6453 | 0.1773 | 0.1301 |
| 1    | 0.015625 | 0.0001 | 0.01  | 0.6452 | 0.1773 | 0.1301 |
| 0.5  | 0.015625 | 0.0001 | 0.1   | 0.6452 | 0.1776 | 0.1280 |
| 1    | 0.015625 | 0.001  | 0.001 | 0.6452 | 0.1773 | 0.1301 |
| 1    | 0.015625 | 0.0001 | 0.001 | 0.6451 | 0.1773 | 0.1301 |
| 2    | 0.0625   | 0.0001 | 0.01  | 0.6437 | 0.1778 | 0.1348 |
| 4    | 0.0625   | 0.0001 | 0.01  | 0.6437 | 0.1778 | 0.1348 |
| 1    | 0.0625   | 0.0001 | 0.01  | 0.6437 | 0.1778 | 0.1348 |
| 1    | 0.0625   | 0.0001 | 0.001 | 0.6437 | 0.1778 | 0.1348 |
| 2    | 0.0625   | 0.0001 | 0.001 | 0.6437 | 0.1778 | 0.1348 |
| 4    | 0.0625   | 0.0001 | 0.001 | 0.6437 | 0.1778 | 0.1348 |
| 1    | 0.0625   | 0.001  | 0.001 | 0.6436 | 0.1778 | 0.1349 |
| 2    | 0.0625   | 0.001  | 0.001 | 0.6436 | 0.1778 | 0.1349 |
| 4    | 0.0625   | 0.001  | 0.001 | 0.6436 | 0.1778 | 0.1349 |
| 1    | 0.0625   | 0.001  | 0.01  | 0.6436 | 0.1778 | 0.1349 |
| 2    | 0.0625   | 0.001  | 0.01  | 0.6435 | 0.1778 | 0.1349 |
| 4    | 0.0625   | 0.001  | 0.01  | 0.6435 | 0.1778 | 0.1349 |
| 0.25 | 0.015625 | 0.01   | 0.01  | 0.6430 | 0.1788 | 0.1272 |
| 2    | 0.0625   | 0.001  | 0.1   | 0.6430 | 0.1778 | 0.1354 |

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| 4    | 0.0625   | 0.001  | 0.1   | 0.6430 | 0.1778 | 0.1354 |
| 1    | 0.0625   | 0.001  | 0.1   | 0.6430 | 0.1778 | 0.1354 |
| 2    | 0.0625   | 0.0001 | 0.1   | 0.6430 | 0.1778 | 0.1353 |
| 4    | 0.0625   | 0.0001 | 0.1   | 0.6430 | 0.1778 | 0.1353 |
| 0.25 | 0.015625 | 0.01   | 0.001 | 0.6430 | 0.1789 | 0.1272 |
| 0.5  | 0.0625   | 0.0001 | 0.01  | 0.6429 | 0.1779 | 0.1343 |
| 0.5  | 0.0625   | 0.0001 | 0.001 | 0.6429 | 0.1779 | 0.1343 |
| 1    | 0.0625   | 0.0001 | 0.1   | 0.6429 | 0.1778 | 0.1353 |
| 0.5  | 0.0625   | 0.001  | 0.001 | 0.6429 | 0.1780 | 0.1344 |
| 0.5  | 0.0625   | 0.001  | 0.01  | 0.6428 | 0.1780 | 0.1345 |
| 0.25 | 0.015625 | 0.001  | 0.1   | 0.6427 | 0.1792 | 0.1274 |
| 0.25 | 0.015625 | 0.0001 | 0.1   | 0.6427 | 0.1792 | 0.1275 |
| 1    | 0.0625   | 0.01   | 0.001 | 0.6426 | 0.1783 | 0.1362 |
| 2    | 0.0625   | 0.01   | 0.001 | 0.6426 | 0.1783 | 0.1362 |
| 4    | 0.0625   | 0.01   | 0.001 | 0.6426 | 0.1783 | 0.1362 |
| 1    | 0.0625   | 0.01   | 0.01  | 0.6426 | 0.1783 | 0.1363 |
| 2    | 0.0625   | 0.01   | 0.01  | 0.6426 | 0.1783 | 0.1363 |
| 4    | 0.0625   | 0.01   | 0.01  | 0.6426 | 0.1783 | 0.1363 |
| 1    | 0.0625   | 0.01   | 0.1   | 0.6423 | 0.1782 | 0.1369 |
| 2    | 0.0625   | 0.01   | 0.1   | 0.6423 | 0.1782 | 0.1369 |
| 4    | 0.0625   | 0.01   | 0.1   | 0.6423 | 0.1782 | 0.1369 |
| 0.25 | 0.015625 | 0.001  | 0.01  | 0.6422 | 0.1792 | 0.1271 |
| 0.25 | 0.015625 | 0.001  | 0.001 | 0.6422 | 0.1792 | 0.1271 |
| 0.25 | 0.015625 | 0.0001 | 0.01  | 0.6422 | 0.1792 | 0.1271 |
| 0.25 | 0.015625 | 0.0001 | 0.001 | 0.6422 | 0.1792 | 0.1270 |
| 0.5  | 0.0625   | 0.001  | 0.1   | 0.6422 | 0.1779 | 0.1351 |
| 0.5  | 0.0625   | 0.0001 | 0.1   | 0.6420 | 0.1779 | 0.1350 |
| 0.25 | 0.015625 | 0.01   | 0.1   | 0.6420 | 0.1790 | 0.1278 |
| 0.5  | 0.0625   | 0.01   | 0.01  | 0.6420 | 0.1784 | 0.1358 |
| 0.5  | 0.0625   | 0.01   | 0.001 | 0.6420 | 0.1784 | 0.1358 |
| 0.5  | 0.0625   | 0.01   | 0.1   | 0.6416 | 0.1783 | 0.1364 |
| 2    | 0.015625 | 0.01   | 0.001 | 0.6390 | 0.1788 | 0.1335 |
| 2    | 0.015625 | 0.0001 | 0.01  | 0.6389 | 0.1790 | 0.1334 |
| 2    | 0.015625 | 0.01   | 0.01  | 0.6389 | 0.1788 | 0.1335 |
| 2    | 0.015625 | 0.001  | 0.01  | 0.6388 | 0.1790 | 0.1334 |
| 2    | 0.015625 | 0.0001 | 0.1   | 0.6388 | 0.1788 | 0.1334 |
| 2    | 0.015625 | 0.001  | 0.001 | 0.6387 | 0.1790 | 0.1335 |
| 2    | 0.015625 | 0.0001 | 0.001 | 0.6386 | 0.1790 | 0.1335 |
| 2    | 0.015625 | 0.001  | 0.1   | 0.6386 | 0.1788 | 0.1334 |
| 2    | 0.015625 | 0.01   | 0.1   | 0.6378 | 0.1788 | 0.1339 |
| 4    | 0.015625 | 0.0001 | 0.1   | 0.6353 | 0.1796 | 0.1345 |
| 4    | 0.015625 | 0.001  | 0.1   | 0.6352 | 0.1796 | 0.1345 |

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| 4    | 0.015625 | 0.01   | 0.1   | 0.6351 | 0.1794 | 0.1345 |
| 4    | 0.015625 | 0.01   | 0.01  | 0.6347 | 0.1798 | 0.1346 |
| 4    | 0.015625 | 0.01   | 0.001 | 0.6346 | 0.1798 | 0.1347 |
| 4    | 0.015625 | 0.001  | 0.01  | 0.6345 | 0.1800 | 0.1346 |
| 4    | 0.015625 | 0.0001 | 0.01  | 0.6344 | 0.1800 | 0.1346 |
| 4    | 0.015625 | 0.001  | 0.001 | 0.6343 | 0.1801 | 0.1347 |
| 4    | 0.015625 | 0.0001 | 0.001 | 0.6343 | 0.1801 | 0.1347 |
| 0.25 | 0.0625   | 0.0001 | 0.01  | 0.6331 | 0.1807 | 0.1327 |
| 0.25 | 0.0625   | 0.0001 | 0.001 | 0.6331 | 0.1807 | 0.1327 |
| 0.25 | 0.0625   | 0.001  | 0.001 | 0.6330 | 0.1807 | 0.1328 |
| 0.25 | 0.0625   | 0.001  | 0.01  | 0.6330 | 0.1807 | 0.1329 |
| 0.25 | 0.0625   | 0.01   | 0.001 | 0.6326 | 0.1808 | 0.1341 |
| 0.25 | 0.0625   | 0.01   | 0.01  | 0.6325 | 0.1808 | 0.1341 |
| 0.25 | 0.0625   | 0.0001 | 0.1   | 0.6324 | 0.1804 | 0.1333 |
| 0.25 | 0.0625   | 0.001  | 0.1   | 0.6323 | 0.1805 | 0.1335 |
| 0.25 | 0.0625   | 0.01   | 0.1   | 0.6315 | 0.1807 | 0.1350 |
| 1    | 0.125    | 0.0001 | 0.001 | 0.5308 | 0.2080 | 0.1713 |
| 2    | 0.125    | 0.0001 | 0.001 | 0.5308 | 0.2080 | 0.1713 |
| 4    | 0.125    | 0.0001 | 0.001 | 0.5308 | 0.2080 | 0.1713 |
| 1    | 0.125    | 0.0001 | 0.01  | 0.5308 | 0.2080 | 0.1712 |
| 2    | 0.125    | 0.0001 | 0.01  | 0.5308 | 0.2080 | 0.1712 |
| 4    | 0.125    | 0.0001 | 0.01  | 0.5308 | 0.2080 | 0.1712 |
| 1    | 0.125    | 0.001  | 0.001 | 0.5308 | 0.2081 | 0.1714 |
| 2    | 0.125    | 0.001  | 0.001 | 0.5308 | 0.2081 | 0.1714 |
| 4    | 0.125    | 0.001  | 0.001 | 0.5308 | 0.2081 | 0.1714 |
| 1    | 0.125    | 0.001  | 0.01  | 0.5307 | 0.2081 | 0.1714 |
| 2    | 0.125    | 0.001  | 0.01  | 0.5307 | 0.2081 | 0.1714 |
| 4    | 0.125    | 0.001  | 0.01  | 0.5307 | 0.2081 | 0.1714 |
| 1    | 0.125    | 0.01   | 0.001 | 0.5306 | 0.2087 | 0.1727 |
| 2    | 0.125    | 0.01   | 0.001 | 0.5306 | 0.2087 | 0.1727 |
| 4    | 0.125    | 0.01   | 0.001 | 0.5306 | 0.2087 | 0.1727 |
| 1    | 0.125    | 0.01   | 0.01  | 0.5306 | 0.2087 | 0.1727 |
| 2    | 0.125    | 0.01   | 0.01  | 0.5306 | 0.2087 | 0.1727 |
| 4    | 0.125    | 0.01   | 0.01  | 0.5306 | 0.2087 | 0.1727 |
| 1    | 0.125    | 0.0001 | 0.1   | 0.5295 | 0.2078 | 0.1709 |
| 2    | 0.125    | 0.0001 | 0.1   | 0.5295 | 0.2078 | 0.1709 |
| 4    | 0.125    | 0.0001 | 0.1   | 0.5295 | 0.2078 | 0.1709 |
| 1    | 0.125    | 0.001  | 0.1   | 0.5295 | 0.2079 | 0.1711 |
| 2    | 0.125    | 0.001  | 0.1   | 0.5295 | 0.2079 | 0.1711 |
| 4    | 0.125    | 0.001  | 0.1   | 0.5295 | 0.2079 | 0.1711 |
| 1    | 0.125    | 0.01   | 0.1   | 0.5292 | 0.2085 | 0.1725 |
| 2    | 0.125    | 0.01   | 0.1   | 0.5292 | 0.2085 | 0.1725 |

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|------|-------|--------|-------|--------|--------|--------|
| 4    | 0.125 | 0.01   | 0.1   | 0.5292 | 0.2085 | 0.1725 |
| 0.5  | 0.125 | 0.01   | 0.001 | 0.5283 | 0.2089 | 0.1722 |
| 0.5  | 0.125 | 0.001  | 0.001 | 0.5282 | 0.2083 | 0.1708 |
| 0.5  | 0.125 | 0.0001 | 0.001 | 0.5282 | 0.2083 | 0.1707 |
| 0.5  | 0.125 | 0.01   | 0.01  | 0.5282 | 0.2089 | 0.1722 |
| 0.5  | 0.125 | 0.001  | 0.01  | 0.5282 | 0.2083 | 0.1708 |
| 0.5  | 0.125 | 0.0001 | 0.01  | 0.5282 | 0.2083 | 0.1707 |
| 0.5  | 0.125 | 0.001  | 0.1   | 0.5275 | 0.2081 | 0.1706 |
| 0.5  | 0.125 | 0.01   | 0.1   | 0.5274 | 0.2087 | 0.1720 |
| 0.5  | 0.125 | 0.0001 | 0.1   | 0.5274 | 0.2081 | 0.1705 |
| 0.25 | 0.125 | 0.01   | 0.1   | 0.5127 | 0.2123 | 0.1695 |
| 0.25 | 0.125 | 0.01   | 0.001 | 0.5125 | 0.2123 | 0.1692 |
| 0.25 | 0.125 | 0.01   | 0.01  | 0.5125 | 0.2123 | 0.1693 |
| 0.25 | 0.125 | 0.0001 | 0.1   | 0.5123 | 0.2124 | 0.1680 |
| 0.25 | 0.125 | 0.001  | 0.1   | 0.5122 | 0.2124 | 0.1681 |
| 0.25 | 0.125 | 0.001  | 0.01  | 0.5121 | 0.2124 | 0.1680 |
| 0.25 | 0.125 | 0.001  | 0.001 | 0.5120 | 0.2123 | 0.1679 |
| 0.25 | 0.125 | 0.0001 | 0.01  | 0.5120 | 0.2124 | 0.1678 |
| 0.25 | 0.125 | 0.0001 | 0.001 | 0.5120 | 0.2124 | 0.1678 |

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