\mathbb{R}^2 IDname RMSE (kcal/mol) MAE (kcal/mol) ME (kcal/mol) $_{\mathrm{m}}$ SOMD/AM1BCC-GAFF-TIP3P-NOBUFFER/MBAR/D 0.436 [-0.802, 1.634] 1.506 [0.793, 2.170] 0.237 [-0.808, 1.445] 0.128 [0.001, 0.715]d4twv 1.923 [1.154, 2.494] 0.358 [0.072, 0.698]0.459 [0.091, 1.065]wtm6p US/PMF/MT/MD_15 1.990 [1.332, 2.527] 1.686 [1.093, 2.302] 0.379 [-0.691, 1.523] sguyt BSSE-corrected RI-B3PW91 (SMD)/CBS 17.262 [12.005, 22.095] 14.879 [10.555, 19.854] 14.406 [9.522, 19.695] 0.000 [0.000, 0.470] 0.002 [-0.091, 0.077]6bwq3 EKEN-DIAZ/MD/MMPBSA 17.801 [14.414, 20.852] 16.694 [13.519, 19.889] -16.694 [-19.849, -13.501] 0.001 [0.000, 0.659]-0.007 [-0.138, 0.171] SOMD/AM1BCC-GAFF-TIP3P/MBAR/D 2.584 [1.392, 3.467] 1.834 [0.866, 2.972] 0.125 [0.001, 0.741] 0.512 [-0.835, 2.253] j37ec 2.021 [1.159, 3.026] xdmpa US/PMF/MT/MD_19 2.881 [1.662, 3.842] 2.278 [1.215, 3.344] -1.611 [-3.023, -0.136] 0.075 [0.000, 0.530]0.237 [-0.257, 0.871 0.385 [0.001, 0.777] 0.577 [-0.146, 0.988] ubz3m US/PMF/MT/MD₋₅ 3.187 [2.282, 4.021] 2.720 [1.749, 3.681] 2.720 [1.749, 3.681] cco6p US/PMF/MT/MD_13 3.231 [2.015, 4.344] 2.683 [1.672, 3.852] 2.268 [0.890, 3.666] 0.243 [0.020, 0.741]0.352 [0.081, 1.143]0.045 [0.000, 0.661]0.132 [-0.433, 0.843] 2mgw5 US/PMF/MT/MD_2 3.507 [1.328, 5.392]2.442 [1.123, 4.283] -1.609 [-3.681, 0.139] 8 wns 3US/PMF/MT/MD_10 3.665 [2.571, 4.594] 3.021 [1.745, 4.322] 2.932 [1.569, 4.304] 0.227 [0.000, 0.679]0.368 [-0.123, 0.859] cekua US/PMF/MT/MD_8 3.729 [2.704, 4.640] 3.238 [2.181, 4.372] 3.238 [2.181, 4.372] 0.338 [0.002, 0.777]0.492 [-0.151, 0.981 tqhg4 AMOEBA/BAR/Tinker 3.732 [1.880, 5.156] 2.721 [1.473, 4.084] -1.184 [-3.074, 0.541] 0.140 [0.001, 0.747]0.169 [-0.145, 0.493] f7duk SOMD/AM1BCC-GAFF-TIP3P/MBAR/C 3.789 [2.729, 4.732] 3.477 [2.569, 4.424] -2.841 [-4.275, -1.111] 0.125 [0.001, 0.662]0.261 [-0.438, 1.098] tb3ckBSSE-corrected RI-B3PW91-D3 (SMD)/CBS 36.987 [29.994, 43.540] 34.285 [27.162, 41.438] -34.285 [-41.287, -27.052] 0.000 [0.000, 0.545]-0.002 [-0.058, 0.086] 3z83mHREM/BAR/RESP/Force-Matching/TIP3P 4.321 [3.191, 5.399] 3.816 [2.734, 4.991] 0.487 [0.129, 0.811] -2.198 [-4.005, -0.046] 0.254 [0.069, 0.472]j8yon US/PMF/MT/MD_12 4.387 [3.291, 5.240] 4.037 [3.013, 5.020] -4.037 [-5.012, -2.990] 0.227 [0.001, 0.684]0.594 [-0.193, 1.360] $US/PMF/MT/MD_{-7}$ dv8mi 4.409 [3.622, 5.111] 4.168 [3.284, 4.985] -4.168 [-4.985, -3.280] 0.386 [0.001, 0.791]0.933 [-0.234, 1.644] 4.162 [2.804, 5.486] 0.300 [0.076, 0.789] i6oi0 US/PMF/MT/MD_20 4.716 [3.455, 5.909] 4.162 [2.804, 5.486] 0.385 [0.116, 1.089] vrsfp US/PMF/MT/MD_18 4.786 [3.776, 5.568] 4.432 [3.172, 5.445] -4.432 [-5.433, -3.161] 0.075 [0.000, 0.522] 0.554 [-0.592, 2.089] 5.053 [3.882, 6.111] 4.683 [3.561, 5.909] 0.286 [0.040, 0.739] 2vfcf US/PMF/MT/MD_4 -4.683 [-5.881, -3.552] 0.471 [0.101, 1.005]SOMD/AM1BCC-GAFF-TIP3P/MBAR/A 0.128 [0.001, 0.718] 46vw85.068 [3.851, 6.083] 4.475 [2.971, 5.777] -4.409 [-5.751, -2.779] 0.264 [-0.490, 1.128] qfqyx US/PMF/MT/MD_22 5.306 [4.116, 6.396] 4.962 [3.825, 6.104] -4.962 [-6.095, -3.815] 0.300 [0.067, 0.777]0.479 [0.152, 1.368]DDM/Force-Matching/FEP/HREM/MBAR 6jsye 0.145 [-0.057, 0.386] 5.429 [3.979, 6.764] 4.769 [3.479, 6.084] -1.126 [-3.881, 1.909] 0.256 [0.001, 0.699]50jkg US/PMF/MT/MD_16 5.445 [4.174, 6.674] 4.997 [3.695, 6.347] 4.997 [3.695, 6.347] 0.358 [0.049, 0.721]0.408 [0.068, 0.903] US/PMF/MT/MD_9 5.452 [4.279, 6.400] 5.166 [4.080, 6.175] -5.166 [-6.165, -4.070] 0.338 [0.001, 0.804] 0.542 [-0.146, 1.120] pz24vjb047 US/PMF/MT/MD_3 5.608 [4.229, 6.729] 5.138 [3.703, 6.468] 5.138 [3.703, 6.468] 0.287 [0.047, 0.758] 0.376 [0.092, 0.808]tcy06 US/PMF/MT/MD_21 5.814 [4.498, 7.048] 5.390 [4.178, 6.729] -5.390 [-6.708, -4.166] 0.299 [0.058, 0.788] 0.392 [0.094, 1.151] k6f5g US/PMF/MT/MD_17 5.818 [4.915, 6.606] 5.617 [4.727, 6.507] -5.617 [-6.501, -4.717] 0.358 [0.097, 0.729]0.742 [0.165, 1.760]fy660 US/PMF/MT/MD_14 6.486 [5.158, 7.864] 6.050 [4.785, 7.506] 6.050 [4.785, 7.506]0.243 [0.018, 0.794]0.345 [0.060, 1.200] 3g2hu SOMD/AM1BCC-GAFF-TIP3P-NOBUFFER/MBAR/C 6.613 [4.967, 8.089] 5.988 [4.233, 7.601] -5.963 [-7.555, -4.142] 0.128 [0.001, 0.704]0.222 [-0.326, 0.842] juz8u DDM/GAFF/AM1-BCC/TIP3P 7.212 [5.588, 8.541] 6.648 [4.986, 8.253] -6.439 [-8.188, -4.359] 0.292 [0.002, 0.718]0.257 [-0.042, 0.655]US/PMF/MT/MD_6 7.834 [6.760, 8.802] 7.625 [6.582, 8.640] 7.625 [6.582, 8.640] 0.386 [0.002, 0.811] 0.514 [-0.159, 0.889] u6tnc SOMD/AM1BCC-GAFF-TIP3P-NOBUFFER/MBAR/A 0.127 [0.001, 0.719]0.222 [-0.382, 0.831] xv5oo 7.868 [6.243, 9.417] 7.331 [5.424, 8.982] -7.331 [-8.936, -5.383] cbfnz US/PMF/MT/MD₋1 8.044 [4.700, 11.166] 6.704 [4.117, 9.696] -6.704 [-9.640, -4.066] 0.045 [0.000, 0.627]0.087 [-0.164, 0.562] 6ux0a US/PMF/MT/MD_11 8.225 [6.810, 9.425] 7.865 [6.381, 9.205] 7.865 [6.381, 9.205] 0.227 [0.001, 0.664]0.327 [-0.110, 0.763]