

A)

	OPquality	Headgroup	tails	FFquality	Force field	Molecules	Temperature	ID
1	0.83	0.76	0.86	0.15	OPLS3e	POPC:SOL (200:8859)	300.00	1
2	0.76	0.61	0.83	0.45	Slipids	POPC:SOL (512:23943)	298.00	617
3	0.69	0.63	0.73	0.55	MacRog	POPC:SOL (128:5120)	300.00	457
4	0.61	0.64	0.60	0.55	MacRog	POPC:SOL (288:14400)	298.00	63
5	0.60	0.65	0.58	0.55	ECC-lipids	POPC:SOL (128:6400)	300.00	573
6	0.59	0.59	0.59	1.03	CHARMM36	POPC:CHOL:SOL (1024:128:57600)	298.15	426
7	0.58	0.01	0.86	0.95	Berger	POPC:SOL (256:10342)	300.00	115
8	0.56	0.52	0.58	1.13	CHARMM36	POPC:CHOL:SOL (64:8:3600)	298.15	109
9	0.55	0.02	0.81	1.05	Berger	POPC:SOL (128:7290)	298.00	497

B)

	OPquality	Headgroup	sn-1	sn-2	FFquality	Force field	Molecules	Temperature	ID
1	0.53	0.29	0.83	0.48	0.4	GROMOS-CKP	POPE:SOL (500:25000)	310.0	400
2	0.52	0.01	0.79	0.77	0.1	Slipids	POPE:SOL (500:25000)	310.0	414
3	0.51	0.10	0.87	0.57		Slipids	POPE:SOL (336:13460)	310.0	29
4	0.51	0.10	0.86	0.57		Slipids	POPE:SOL (336:13460)	310.0	74
5	0.44	0.54	0.52	0.27	1.3	CHARMM36	SOL:POPE (5760:144)	310.0	430
6	0.38	0.32	0.56	0.26	0.3	CHARMM36-UA	POPE:SOL (336:15254)	310.0	352
7	0.37	0.27	0.57	0.28	0.3	CHARMM36-UA	POPE:SOL (336:15254)	310.0	233
8	0.25	0.53	0.14	0.07	1.7	CHARMM36	SOL:POPE (25000:500)	310.0	67
9	0.19	0.09	0.12	0.35	1.6	Lipid17	POPE:SOL (500:25000)	310.0	195

