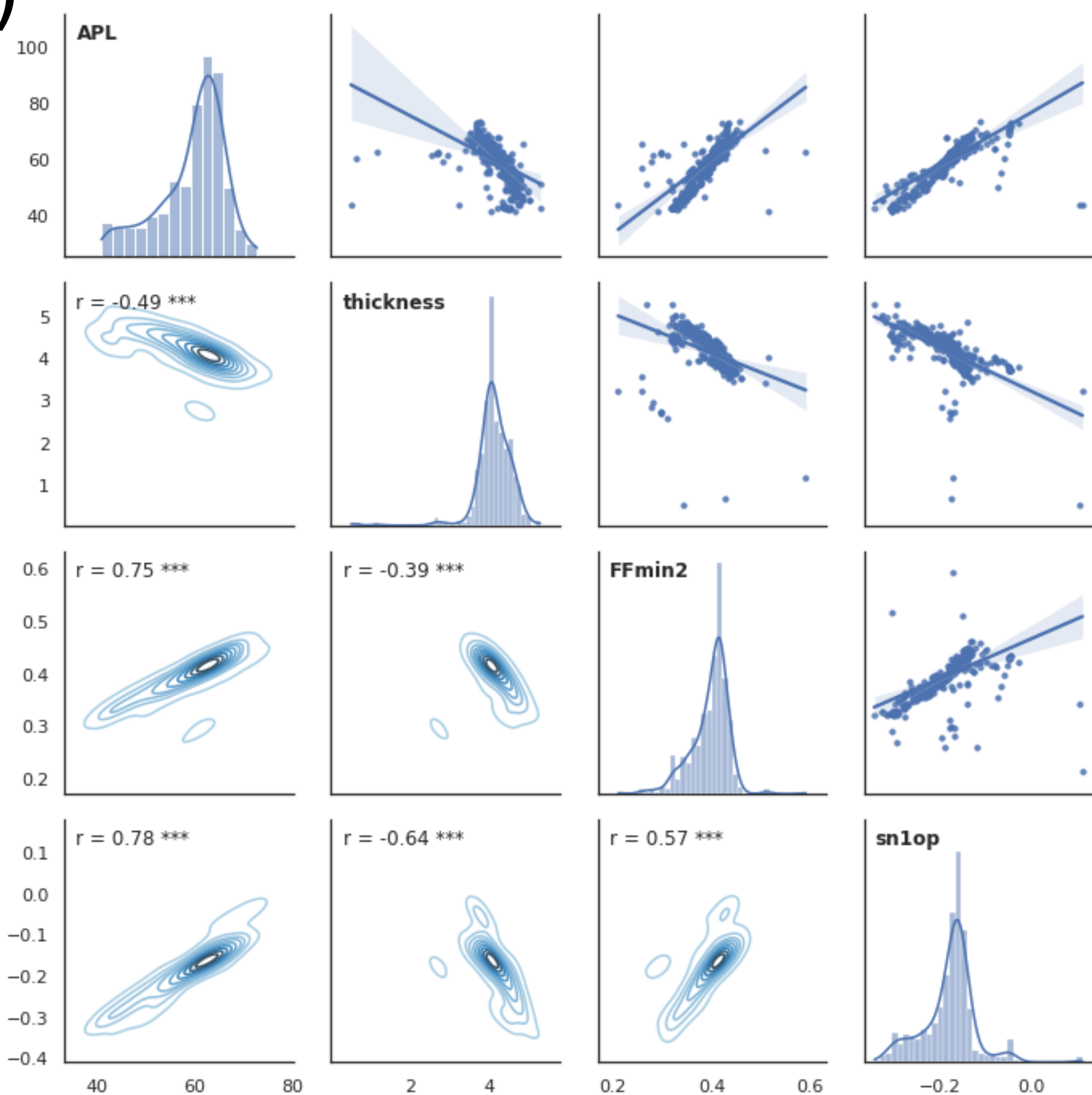
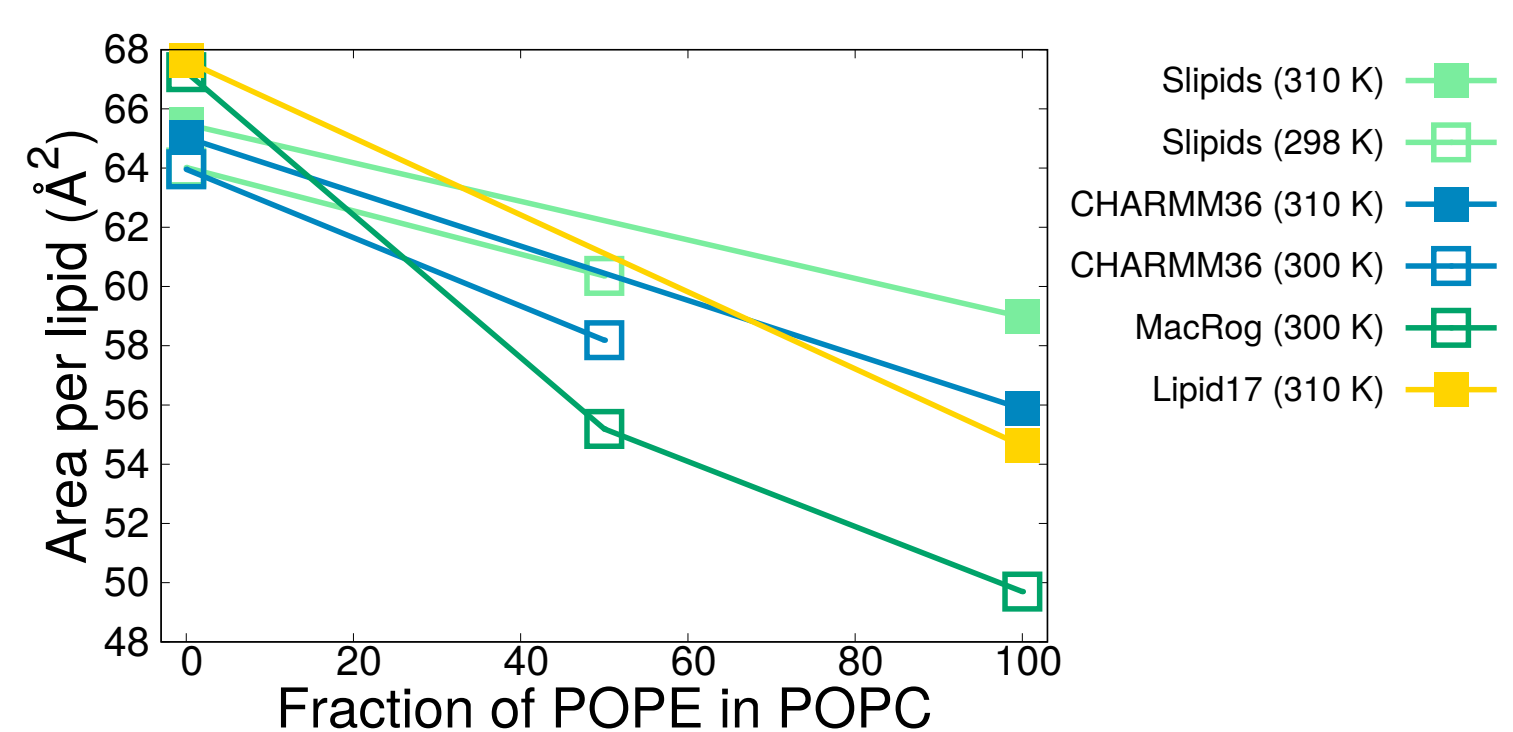


a)

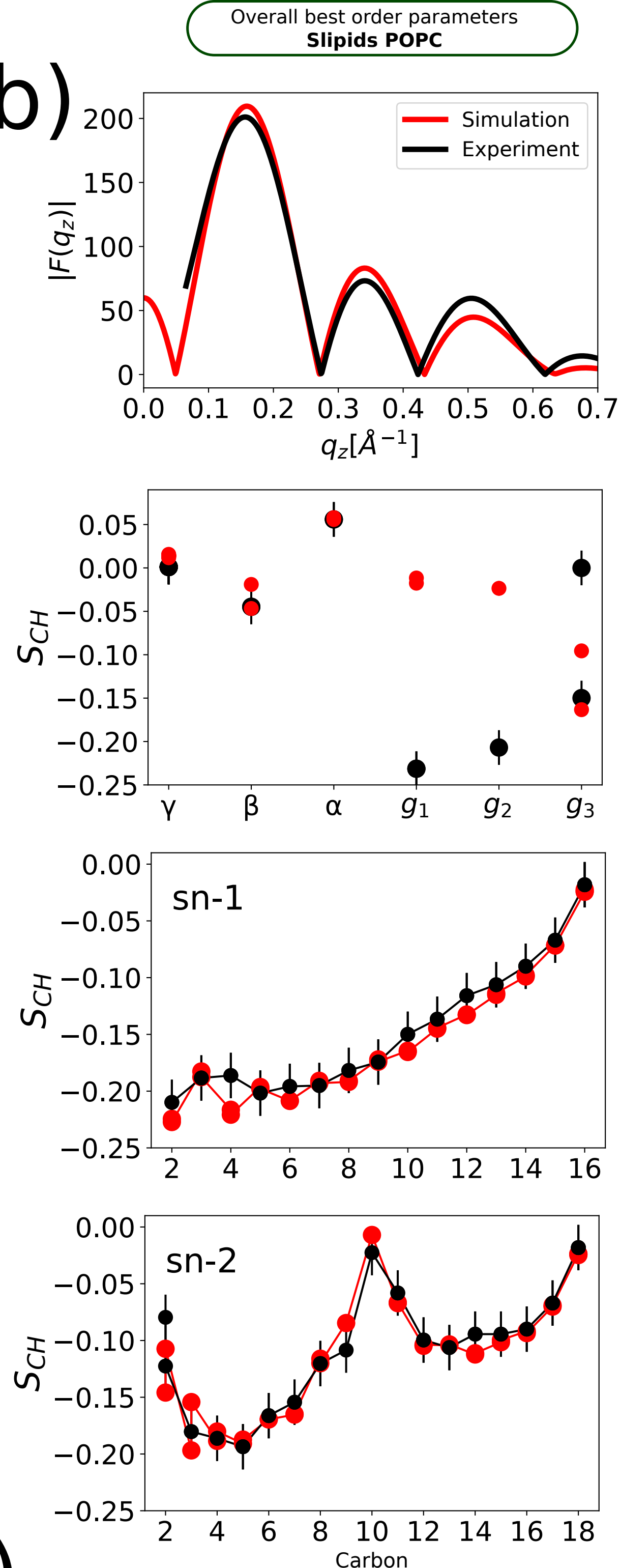


c)



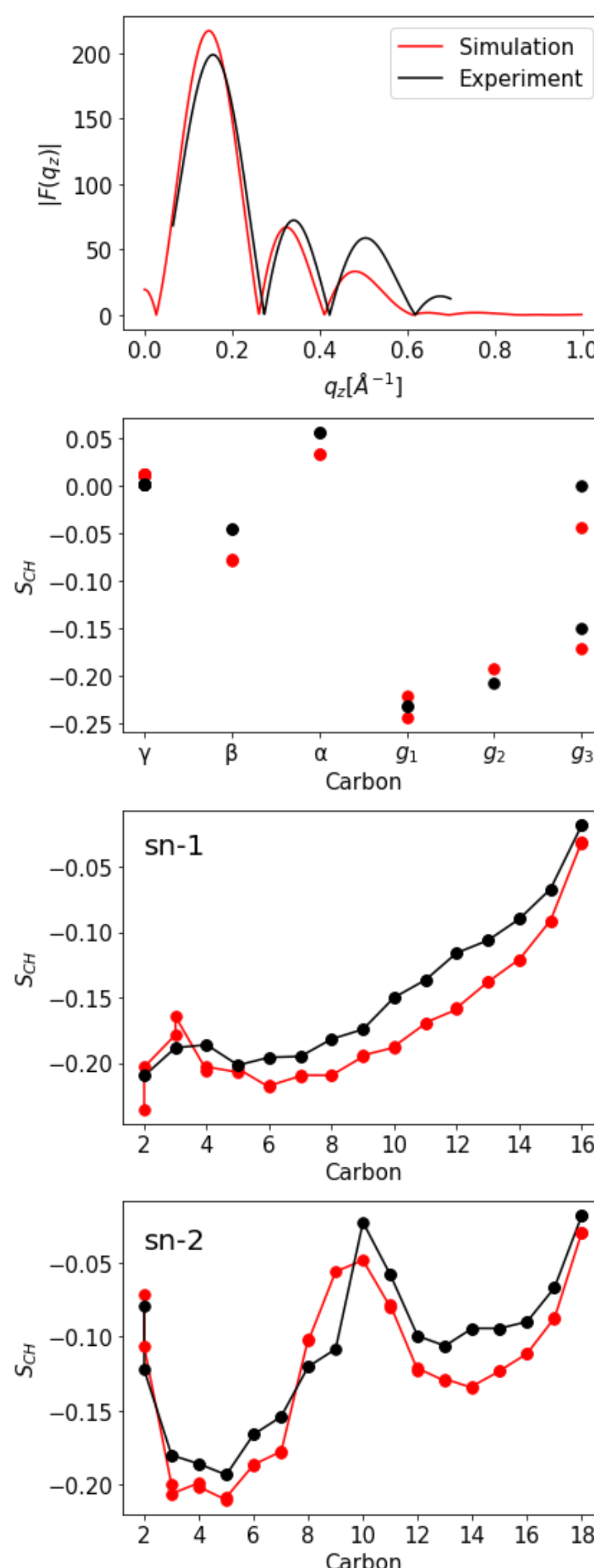
OPquality	Headgroup	sn-1	sn-2	FFquality	Force field	Molecules	Temperature	DOI
1	0.52	0.01	0.79	0.77	122.168365	Slipids	POPE:SOL (500:25000)	310.0 10.5281/zenodo.3231342
2	0.51	0.10	0.87	0.57	140.087165	Slipids	POPE:SOL (336:13460)	310.0 10.5281/zenodo.1293813
3	0.51	0.10	0.86	0.57	136.680061	Slipids	POPE:SOL (336:13460)	310.0 10.5281/zenodo.1293813
4	0.44	0.54	0.52	0.27	197.034217	CHARMM36	SOL:POPE (5760:144)	310.0 10.5281/zenodo.2641987
5	0.25	0.53	0.14	0.07	234.339081	CHARMM36	SOL:POPE (25000:500)	310.0 10.5281/zenodo.3237461
6	0.19	0.09	0.12	0.35	264.439235	Lipid17	POPE:SOL (500:25000)	310.0 10.5281/zenodo.4424292

b)



d)

	OPquality	Headgroup	sn-1	sn-2	FFquality	Force field	Molecules	Temperature	DOI
1	0.76	0.61	0.84	0.82	515	Slipids	POPC:SOL (512:23943)	298.00	10.5281/zenodo.166034
2	0.69	0.63	0.70	0.76	713	MacRog	POPC:SOL (128:5120)	300.00	10.5281/zenodo.3741793
3	0.61	0.64	0.48	0.72	674	MacRog	POPC:SOL (288:14400)	298.00	10.5281/zenodo.13498
4	0.60	0.65	0.74	0.42	576	ECC-lipids	POPC:SOL (128:6400)	300.00	10.5281/zenodo.3335503
5	0.58	0.01	0.88	0.84		Berger	POPC:SOL (256:10342)	300.00	10.5281/zenodo.1402417
6	0.55	0.02	0.83	0.78		Berger	POPC:SOL (128:7290)	298.00	10.5281/zenodo.4643875
7	0.54	0.65	0.54	0.43	613	ECC-lipids	POPC:SOL (128:6400)	300.00	10.5281/zenodo.1118980
8	0.52	0.01	0.79	0.77	122	Slipids	POPE:SOL (500:25000)	310.00	10.5281/zenodo.3231342
9	0.51	0.10	0.87	0.57	140	Slipids	POPE:SOL (336:13460)	310.00	10.5281/zenodo.1293813
10	0.51	0.10	0.86	0.57	137	Slipids	POPE:SOL (336:13460)	310.00	10.5281/zenodo.1293813
11	0.50	0.16	0.64	0.69	297	ECClipids	POPS:SOL:SOD (72:3600:72)	298.00	10.5281/zenodo.1488094
12	0.48	0.67	0.36	0.40	690	CHARMM36	POPC:SOL (256:9767)	300.00	10.5281/zenodo.1306800
13	0.47	0.67	0.37	0.38	903	CHARMM36	POPC:SOL (1024:51200)	298.15	10.5281/zenodo.5767451

Best order parameters for headgroup
CHARMM36 POPCBest x-ray form factor
Slipids POPE