

**Table S6.** Dynamic capacity and CO<sub>2</sub> storage efficiency at each CO<sub>2</sub> injection well location in the Sierpc structure (coordinates X and Y in relation to Figure 3).

Injection well location		Dynamic capacity $M_{dyn}$ [Mt CO <sub>2</sub> ]		CO <sub>2</sub> storage efficiency $E_{dyn}$ [%]		Injection well distance from the top of the structure [m]	Injection well depth difference due to the top of the structure [m]
		Variant I	Variant II	Variant I	Variant II		
12100	2600	1.06	1.06	0.52	0.52	105	1
11000	2650	1.06	1.06	0.52	0.52	1008	1
13300	2650	1.06	1.06	0.52	0.52	1197	1
9655	2700	1.06	1.06	0.52	0.52	2387	2
12100	2085	1.06	1.06	0.52	0.52	546	22
15580	2710	1.06	1.06	0.52	0.52	3598	22
12100	3883	1.06	1.06	0.52	0.52	1281	47
16410	3080	0.97	0.97	0.47	0.47	4445	47
7827	2926	0.97	0.97	0.47	0.47	4193	47
15600	3760	1.06	1.06	0.52	0.52	3794	47
12100	1440	1.06	0.87	0.52	0.43	1183	72
12100	4533	1.06	0.97	0.52	0.47	1939	72
7000	3240	1.06	0.97	0.52	0.47	5040	72
17500	3400	0.97	0.97	0.47	0.47	5544	72
7900	2060	1.06	0.97	0.52	0.47	4130	72
7900	4140	1.06	1.06	0.52	0.52	4368	72
16500	2300	1.06	1.06	0.52	0.52	4522	72
16500	4390	1.06	1.06	0.52	0.52	4844	72
12100	1045	0.21	0.21	0.10	0.10	1183	97
12100	5195	0.97	0.97	0.47	0.47	2604	97
5960	3110	1.06	0.97	0.52	0.47	6076	97
18725	3755	1.06	1.06	0.52	0.52	6818	97
6990	1847	0.97	0.87	0.47	0.43	5068	97
6990	4290	0.40	0.59	0.19	0.29	5292	97
17500	2325	0.68	0.68	0.33	0.33	5544	97
17500	4755	0.78	0.97	0.38	0.47	5908	97
6700	2600	1.06	0.97	0.52	0.47	5306	83
9800	5000	0.68	0.78	0.33	0.38	3241	97
9500	1230	0.31	0.31	0.15	0.15	2856	97
8500	1600	1.06	0.97	0.52	0.47	3647	84
8700	4500	0.97	0.97	0.47	0.47	3794	78
10900	4800	0.97	0.97	0.47	0.47	2457	83
11000	3300	1.06	1.06	0.52	0.52	1197	24
10000	4000	1.06	0.97	0.52	0.47	2429	52
11200	4100	0.97	0.97	0.47	0.47	1673	57
10800	1300	0.50	0.87	0.24	0.43	1778	85
10950	2100	1.06	0.97	0.52	0.47	1169	17
9900	1700	1.06	1.06	0.52	0.52	2296	60
17900	3000	0.97	0.97	0.47	0.47	5894	90

14700	5200	0.97	0.97	0.47	0.47	3766	97
14900	1250	0.40	0.40	0.20	0.20	3227	98
13400	4900	0.97	0.97	0.47	0.47	2695	84
15600	4900	0.97	0.97	0.47	0.47	4249	86
13500	1250	0.49	0.59	0.24	0.29	2044	85
16000	1800	1.06	0.87	0.52	0.42	4074	86
13000	4300	1.06	0.97	0.52	0.47	1995	63
14400	4100	1.06	0.97	0.52	0.47	2828	51
14300	1800	1.16	0.97	0.56	0.47	2443	54
13600	3400	1.07	1.07	0.52	0.52	1778	27
12800	1600	1.06	0.87	0.52	0.42	1302	60