

## The raw data of our results:

### 1. The mask results of direct generation:

name	cos	dice	jaccard	pearson	tanimoto
01_test:	0.9962	0.99619	0.99242	0.98808	0.98966
name	cos	dice	jaccard	pearson	tanimoto
02_test:	0.99764	0.99764	0.9953	0.99257	0.99358
name	cos	dice	jaccard	pearson	tanimoto
03_test:	0.99761	0.99761	0.99522	0.99242	0.99347
name	cos	dice	jaccard	pearson	tanimoto
04_test:	0.99554	0.99553	0.9911	0.98583	0.98779
name	cos	dice	jaccard	pearson	tanimoto
05_test:	0.99526	0.99525	0.99055	0.98495	0.98704
name	cos	dice	jaccard	pearson	tanimoto
06_test:	0.99526	0.99525	0.99055	0.98498	0.98705
name	cos	dice	jaccard	pearson	tanimoto
07_test:	0.99527	0.99526	0.99056	0.98497	0.98705
name	cos	dice	jaccard	pearson	tanimoto
08_test:	0.99807	0.99807	0.99614	0.99391	0.99473
name	cos	dice	jaccard	pearson	tanimoto
09_test:	0.99525	0.99524	0.99053	0.98493	0.98702
name	cos	dice	jaccard	pearson	tanimoto
10_test:	0.99552	0.99551	0.99106	0.9858	0.98775
name	cos	dice	jaccard	pearson	tanimoto
11_test:	0.99527	0.99525	0.99055	0.98494	0.98704
name	cos	dice	jaccard	pearson	tanimoto
12_test:	0.99527	0.99525	0.99055	0.98497	0.98705
name	cos	dice	jaccard	pearson	tanimoto
13_test:	0.99554	0.99553	0.9911	0.98585	0.9878
name	cos	dice	jaccard	pearson	tanimoto
14_test:	0.9976	0.9976	0.99521	0.99238	0.99344

name	cos	dice	jaccard	pearson	tanimoto
15_test:	0.99541	0.9954	0.99084	0.98546	0.98746
name	cos	dice	jaccard	pearson	tanimoto
16_test:	0.99526	0.99525	0.99054	0.98494	0.98703
name	cos	dice	jaccard	pearson	tanimoto
17_test:	0.99738	0.99738	0.99478	0.99172	0.99287
name	cos	dice	jaccard	pearson	tanimoto
18_test:	0.99526	0.99525	0.99055	0.98496	0.98704
name	cos	dice	jaccard	pearson	tanimoto
19_test:	0.99554	0.99553	0.99109	0.98585	0.98779
name	cos	dice	jaccard	pearson	tanimoto
20_test:	0.99538	0.99537	0.99078	0.98534	0.98736
name	cos	dice	jaccard	pearson	tanimoto
21_training:	0.99802	0.99802	0.99605	0.99374	0.9946
name	cos	dice	jaccard	pearson	tanimoto
22_training:	0.99525	0.99524	0.99053	0.98493	0.98702
name	cos	dice	jaccard	pearson	tanimoto
23_training:	0.99526	0.99525	0.99054	0.98487	0.987
name	cos	dice	jaccard	pearson	tanimoto
24_training:	0.99526	0.99525	0.99054	0.98494	0.98703
name	cos	dice	jaccard	pearson	tanimoto
25_training:	0.99541	0.9954	0.99084	0.98546	0.98745
name	cos	dice	jaccard	pearson	tanimoto
26_training:	0.99787	0.99787	0.99576	0.99331	0.99422
name	cos	dice	jaccard	pearson	tanimoto
27_training:	0.99526	0.99525	0.99055	0.98493	0.98703
name	cos	dice	jaccard	pearson	tanimoto
28_training:	0.99539	0.99538	0.9908	0.9854	0.98741
name	cos	dice	jaccard	pearson	tanimoto
29_training:	0.99526	0.99524	0.99053	0.98498	0.98704

name	cos	dice	jaccard	pearson	tanimoto
30_training:	0.99523	0.99522	0.99049	0.98492	0.98698
name	cos	dice	jaccard	pearson	tanimoto
31_training:	0.99525	0.99524	0.99053	0.98492	0.98701
name	cos	dice	jaccard	pearson	tanimoto
32_training:	0.99793	0.99793	0.99587	0.99349	0.99437
name	cos	dice	jaccard	pearson	tanimoto
33_training:	0.99537	0.99536	0.99077	0.98529	0.98733
name	cos	dice	jaccard	pearson	tanimoto
34_training:	0.99717	0.99717	0.99435	0.99105	0.99227
name	cos	dice	jaccard	pearson	tanimoto
35_training:	0.99539	0.99538	0.99079	0.98534	0.98738
name	cos	dice	jaccard	pearson	tanimoto
36_training:	0.99538	0.99537	0.99079	0.9854	0.98739
name	cos	dice	jaccard	pearson	tanimoto
37_training:	0.99526	0.99525	0.99055	0.98503	0.98707
name	cos	dice	jaccard	pearson	tanimoto
38_training:	0.99733	0.99733	0.99467	0.99156	0.99272
name	cos	dice	jaccard	pearson	tanimoto
39_training:	0.99525	0.99524	0.99053	0.98495	0.98702
name	cos	dice	jaccard	pearson	tanimoto
40_training:	0.99561	0.9956	0.99124	0.98613	0.98802
avg					
	0.995942	0.99593375	0.9919035	0.98713725	0.9889095
stdev					
	0.00102	0.00102	0.00203	0.00324	0.00279

## 2. The mask results of ellipse fitted

name	cos	dice	jaccard	pearson	tanimoto
01_test:	0.98609	0.98599	0.97237	0.95836	0.96312
name	cos	dice	jaccard	pearson	tanimoto
02_test:	0.98402	0.9839	0.9683	0.95217	0.95767

name	cos	dice	jaccard	pearson	tanimoto
03_test:	0.98308	0.98294	0.96645	0.9492	0.95512
name	cos	dice	jaccard	pearson	tanimoto
04_test:	0.97815	0.97791	0.95678	0.9343	0.94211
name	cos	dice	jaccard	pearson	tanimoto
05_test:	0.97791	0.97767	0.95631	0.93356	0.94147
name	cos	dice	jaccard	pearson	tanimoto
06_test:	0.97789	0.97765	0.95627	0.93361	0.94146
name	cos	dice	jaccard	pearson	tanimoto
07_test:	0.97786	0.97762	0.95621	0.93343	0.94135
name	cos	dice	jaccard	pearson	tanimoto
08_test:	0.98346	0.98332	0.9672	0.9505	0.95619
name	cos	dice	jaccard	pearson	tanimoto
09_test:	0.97802	0.97778	0.95653	0.93389	0.94176
name	cos	dice	jaccard	pearson	tanimoto
10_test:	0.97835	0.97811	0.95716	0.93499	0.94267
name	cos	dice	jaccard	pearson	tanimoto
11_test:	0.97795	0.9777	0.95638	0.93359	0.94153
name	cos	dice	jaccard	pearson	tanimoto
12_test:	0.97804	0.9778	0.95657	0.93398	0.94183
name	cos	dice	jaccard	pearson	tanimoto
13_test:	0.97825	0.97801	0.95697	0.93461	0.94237
name	cos	dice	jaccard	pearson	tanimoto
14_test:	0.98372	0.98358	0.9677	0.95096	0.95673
name	cos	dice	jaccard	pearson	tanimoto
15_test:	0.97811	0.97787	0.9567	0.93429	0.94205
name	cos	dice	jaccard	pearson	tanimoto
16_test:	0.97802	0.97778	0.95652	0.93386	0.94174
name	cos	dice	jaccard	pearson	tanimoto
17_test:	0.98196	0.9818	0.96425	0.94595	0.95222

name	cos	dice	jaccard	pearson	tanimoto
18_test:	0.97802	0.97778	0.95653	0.93392	0.94177
name	cos	dice	jaccard	pearson	tanimoto
19_test:	0.97825	0.97802	0.95698	0.9347	0.94242
name	cos	dice	jaccard	pearson	tanimoto
20_test:	0.97824	0.978	0.95695	0.93458	0.94235
name	cos	dice	jaccard	pearson	tanimoto
21_training:	0.98247	0.98232	0.96526	0.94754	0.95359
name	cos	dice	jaccard	pearson	tanimoto
22_training:	0.97807	0.97783	0.95662	0.93401	0.94187
name	cos	dice	jaccard	pearson	tanimoto
23_training:	0.97791	0.97766	0.9563	0.93325	0.94133
name	cos	dice	jaccard	pearson	tanimoto
24_training:	0.97793	0.97769	0.95635	0.9336	0.94151
name	cos	dice	jaccard	pearson	tanimoto
25_training:	0.97814	0.9779	0.95675	0.93439	0.94212
name	cos	dice	jaccard	pearson	tanimoto
26_training:	0.98243	0.98228	0.96517	0.94765	0.95359
name	cos	dice	jaccard	pearson	tanimoto
27_training:	0.97795	0.9777	0.95638	0.93358	0.94152
name	cos	dice	jaccard	pearson	tanimoto
28_training:	0.97807	0.97783	0.95663	0.93423	0.94197
name	cos	dice	jaccard	pearson	tanimoto
29_training:	0.97799	0.97775	0.95646	0.934	0.94176
name	cos	dice	jaccard	pearson	tanimoto
30_training:	0.97798	0.97774	0.95645	0.93401	0.94176
name	cos	dice	jaccard	pearson	tanimoto
31_training:	0.97806	0.97782	0.9566	0.93397	0.94184
name	cos	dice	jaccard	pearson	tanimoto
32_training:	0.98381	0.98368	0.96789	0.95163	0.95715

name	cos	dice	jaccard	pearson	tanimoto
33_training:	0.97806	0.97782	0.95659	0.93394	0.94183
name	cos	dice	jaccard	pearson	tanimoto
34_training:	0.98003	0.97983	0.96047	0.94017	0.94715
name	cos	dice	jaccard	pearson	tanimoto
35_training:	0.97809	0.97785	0.95666	0.93408	0.94193
name	cos	dice	jaccard	pearson	tanimoto
36_training:	0.97817	0.97793	0.95681	0.93456	0.94224
name	cos	dice	jaccard	pearson	tanimoto
37_training:	0.97794	0.9777	0.95637	0.93395	0.94168
name	cos	dice	jaccard	pearson	tanimoto
38_training:	0.98075	0.98057	0.96188	0.94236	0.94906
name	cos	dice	jaccard	pearson	tanimoto
39_training:	0.97799	0.97775	0.95646	0.93391	0.94172
name	cos	dice	jaccard	pearson	tanimoto
40_training:	0.97823	0.97799	0.95693	0.93487	0.94246
avg					
	0.9793865	0.97917175	0.959204	0.93810375	0.94540025
stdev					
	0.00232	0.00236	0.00454	0.00703	0.00613