

Seurat									
separation matrix									
	X1	X2	X3	X4	X5	X6	X7	X8	X9
1	0.000	0.688	0.702	0.698	0.717	0.757	0.700	0.733	0.776
2	0.688	0.000	0.664	0.670	0.702	0.757	0.613	0.732	0.738
3	0.702	0.664	0.000	0.680	0.713	0.774	0.658	0.745	0.775
4	0.698	0.670	0.680	0.000	0.709	0.756	0.680	0.727	0.764
5	0.717	0.702	0.713	0.709	0.000	0.757	0.692	0.744	0.774
6	0.757	0.757	0.774	0.756	0.757	0.000	0.773	0.764	0.781
7	0.700	0.613	0.658	0.680	0.692	0.773	0.000	0.733	0.750
8	0.733	0.732	0.745	0.727	0.744	0.764	0.733	0.000	0.782
9	0.776	0.738	0.775	0.764	0.774	0.781	0.750	0.782	0.000
ave.between.matrix									
	X1	X2	X3	X4	X5	X6	X7	X8	X9
1	0.000	0.809	0.805	0.789	0.795	0.806	0.813	0.791	0.819
2	0.809	0.000	0.812	0.804	0.808	0.808	0.775	0.806	0.785
3	0.805	0.812	0.000	0.805	0.808	0.817	0.816	0.807	0.818
4	0.789	0.804	0.805	0.000	0.792	0.801	0.806	0.789	0.813
5	0.795	0.808	0.808	0.792	0.000	0.797	0.812	0.794	0.819
6	0.806	0.808	0.817	0.801	0.797	0.000	0.808	0.802	0.818
7	0.813	0.775	0.816	0.806	0.812	0.808	0.000	0.808	0.792
8	0.791	0.806	0.807	0.789	0.794	0.802	0.808	0.000	0.815
9	0.819	0.785	0.818	0.813	0.819	0.818	0.792	0.815	0.000
K-means									
separation matrix									
	X1	X2	X3	X4	X5	X6	X7	X8	X9
1	0.000	0.720	0.701	0.709	0.670	0.757	0.773	0.716	0.680
2	0.720	0.000	0.724	0.741	0.666	0.775	0.715	0.701	0.716
3	0.701	0.724	0.000	0.731	0.699	0.756	0.762	0.729	0.712
4	0.709	0.741	0.731	0.000	0.692	0.757	0.764	0.729	0.713
5	0.670	0.666	0.699	0.692	0.000	0.757	0.722	0.658	0.658
6	0.757	0.775	0.756	0.757	0.757	0.000	0.773	0.779	0.775
7	0.773	0.715	0.762	0.764	0.722	0.773	0.000	0.781	0.769
8	0.716	0.701	0.729	0.729	0.658	0.779	0.781	0.000	0.681
9	0.680	0.716	0.712	0.713	0.658	0.775	0.769	0.681	0.000
ave.between.matrix									
	X1	X2	X3	X4	X5	X6	X7	X8	X9
1	0.000	0.815	0.789	0.796	0.807	0.808	0.816	0.817	0.805
2	0.815	0.000	0.804	0.813	0.782	0.808	0.766	0.798	0.817
3	0.789	0.804	0.000	0.792	0.803	0.800	0.804	0.814	0.805
4	0.796	0.813	0.792	0.000	0.807	0.798	0.813	0.816	0.808
5	0.807	0.782	0.803	0.807	0.000	0.810	0.774	0.796	0.808
6	0.808	0.808	0.800	0.798	0.810	0.000	0.808	0.821	0.818
7	0.816	0.766	0.804	0.813	0.774	0.808	0.000	0.805	0.818
8	0.817	0.798	0.814	0.816	0.796	0.821	0.805	0.000	0.817
9	0.805	0.817	0.805	0.808	0.808	0.818	0.818	0.817	0.000
QA									
separation matrix									
	X1	X2	X3	X4	X5	X6	X7	X8	X9
1	0.000	0.720	0.701	0.737	0.775	0.666	0.716	0.756	0.743

2	0.720	0.000	0.709	0.698	0.756	0.670	0.680	0.727	0.717
3	0.701	0.709	0.000	0.716	0.762	0.658	0.681	0.750	0.729
4	0.737	0.698	0.716	0.000	0.757	0.688	0.702	0.733	0.717
5	0.775	0.756	0.762	0.757	0.000	0.757	0.775	0.764	0.757
6	0.666	0.670	0.658	0.688	0.757	0.000	0.658	0.732	0.692
7	0.716	0.680	0.681	0.702	0.775	0.658	0.000	0.745	0.713
8	0.756	0.727	0.750	0.733	0.764	0.732	0.745	0.000	0.744
9	0.743	0.717	0.729	0.717	0.757	0.692	0.713	0.744	0.000

ave.between.matrix

	X1	X2	X3	X4	X5	X6	X7	X8	X9
1	0.000	0.806	0.813	0.813	0.808	0.776	0.817	0.810	0.812
2	0.806	0.000	0.794	0.788	0.802	0.804	0.805	0.790	0.792
3	0.813	0.794	0.000	0.796	0.803	0.809	0.808	0.797	0.794
4	0.813	0.788	0.796	0.000	0.806	0.809	0.805	0.792	0.795
5	0.808	0.802	0.803	0.806	0.000	0.810	0.818	0.804	0.796
6	0.776	0.804	0.809	0.809	0.810	0.000	0.812	0.808	0.809
7	0.817	0.805	0.808	0.805	0.818	0.812	0.000	0.808	0.809
8	0.810	0.790	0.797	0.792	0.804	0.808	0.808	0.000	0.795
9	0.812	0.792	0.794	0.795	0.796	0.809	0.809	0.795	0.000

Seurat	K-means	QA
n		
512	512	512
cluster.n		
9	9	9
cluster.size		
123	130	32
83	28	64
72	84	20
70	65	128
61	59	33
36	34	93
35	38	72
23	2	20
9	72	50
diamter		
0.840	0.870	0.834
0.836	0.834	0.865
0.856	0.850	0.866
0.865	0.851	0.840
0.851	0.853	0.842
0.842	0.842	0.853
0.839	0.816	0.856
0.845	0.757	0.845
0.824	0.856	0.851
average dist.		
0.786	0.788	0.763
0.766	0.761	0.785
0.793	0.782	0.795
0.786	0.790	0.786
0.790	0.770	0.786
0.785	0.785	0.769
0.769	0.756	0.793
0.790	0.757	0.793
0.788	0.793	0.790
median dist.		
0.786	0.787	0.760
0.763	0.757	0.783
0.791	0.781	0.792
0.783	0.790	0.785
0.789	0.768	0.785
0.785	0.785	0.767
0.762	0.754	0.791
0.788	0.757	0.790
0.787	0.791	0.788

Seurat	K-means	QA
separation		
0.688	0.670	0.666
0.613	0.666	0.670
0.658	0.699	0.658
0.670	0.692	0.688
0.692	0.658	0.756
0.756	0.756	0.658
0.613	0.715	0.658
0.727	0.658	0.727
0.738	0.658	0.692
average betw.		
0.803	0.803	0.803
average width.		
0.783	0.782	0.783
max diameter		
0.865	0.870	0.866
min separation		
0.613	0.658	0.658
clus avg silwidths		
0.003	0.001	0.016
0.012	0.003	0.003
0.013	0.008	-0.006
0.002	0.000	0.003
0.002	0.000	0.013
0.014	0.014	0.007
0.009	0.013	0.012
-0.002	0.034	-0.004
-0.003	0.011	0.001
avg silwidth		
0.006	0.005	0.006
dunn		
0.709	0.756	0.760
dunn2		
0.978	0.966	0.976
entropy		
2.019	1.985	2.023