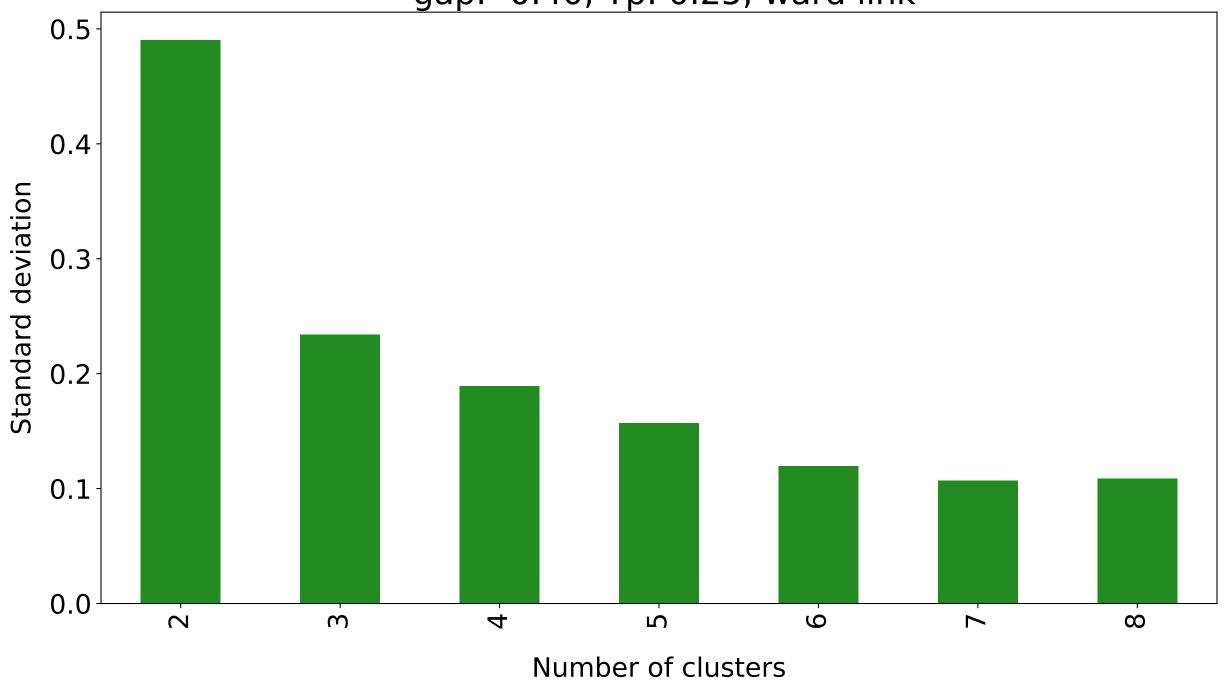


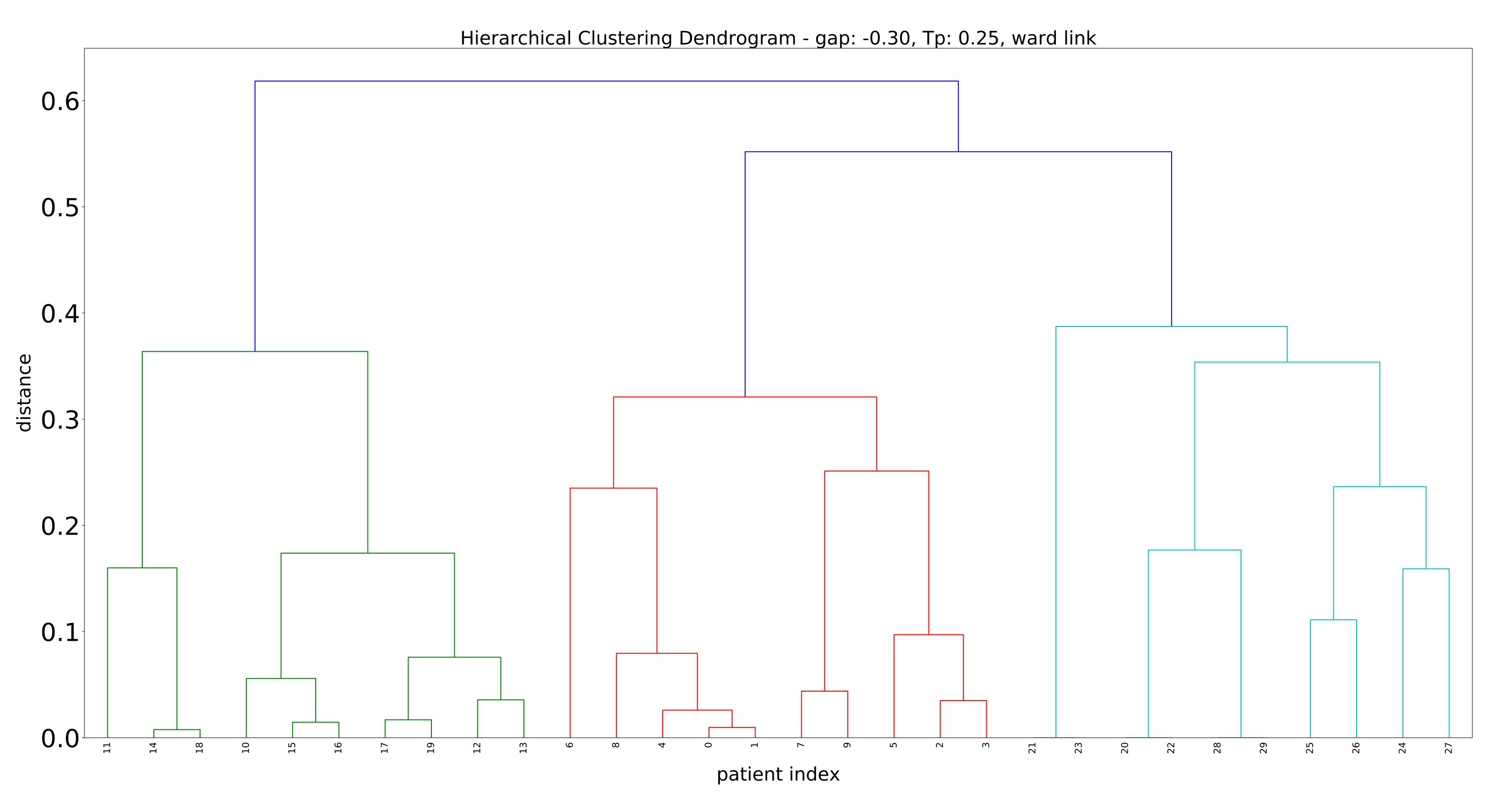
Cophenetic Correlation Coefficient: 0.797832016033

# Average values of five clustering indices gap: -0.40, Tp: 0.25, ward link

k	Rand	Adjusted Rand	Fowlkes and Mallows	Jaccard	Adjusted Wallace
2.0	0.85	0.679	0.882	0.829	0.68
3.0	0.916	0.822	0.891	0.829	0.816
4.0	0.916	0.783	0.841	0.749	0.773
5.0	0.926	0.766	0.813	0.703	0.756
6.0	0.943	0.789	0.824	0.711	0.756
7.0	0.959	0.827	0.853	0.751	0.779
8.0	0.965	0.828	0.849	0.747	0.818

Standard deviation of Adjusted Rand versus number of clusters gap: -0.40, Tp: 0.25, ward link



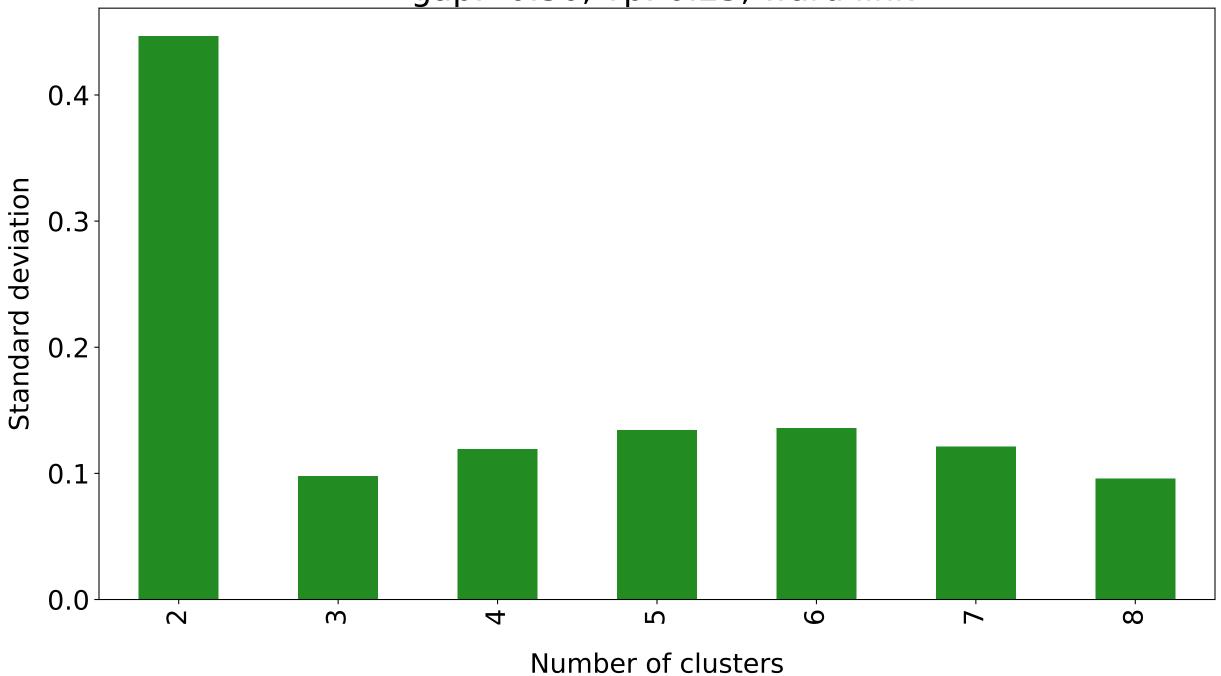


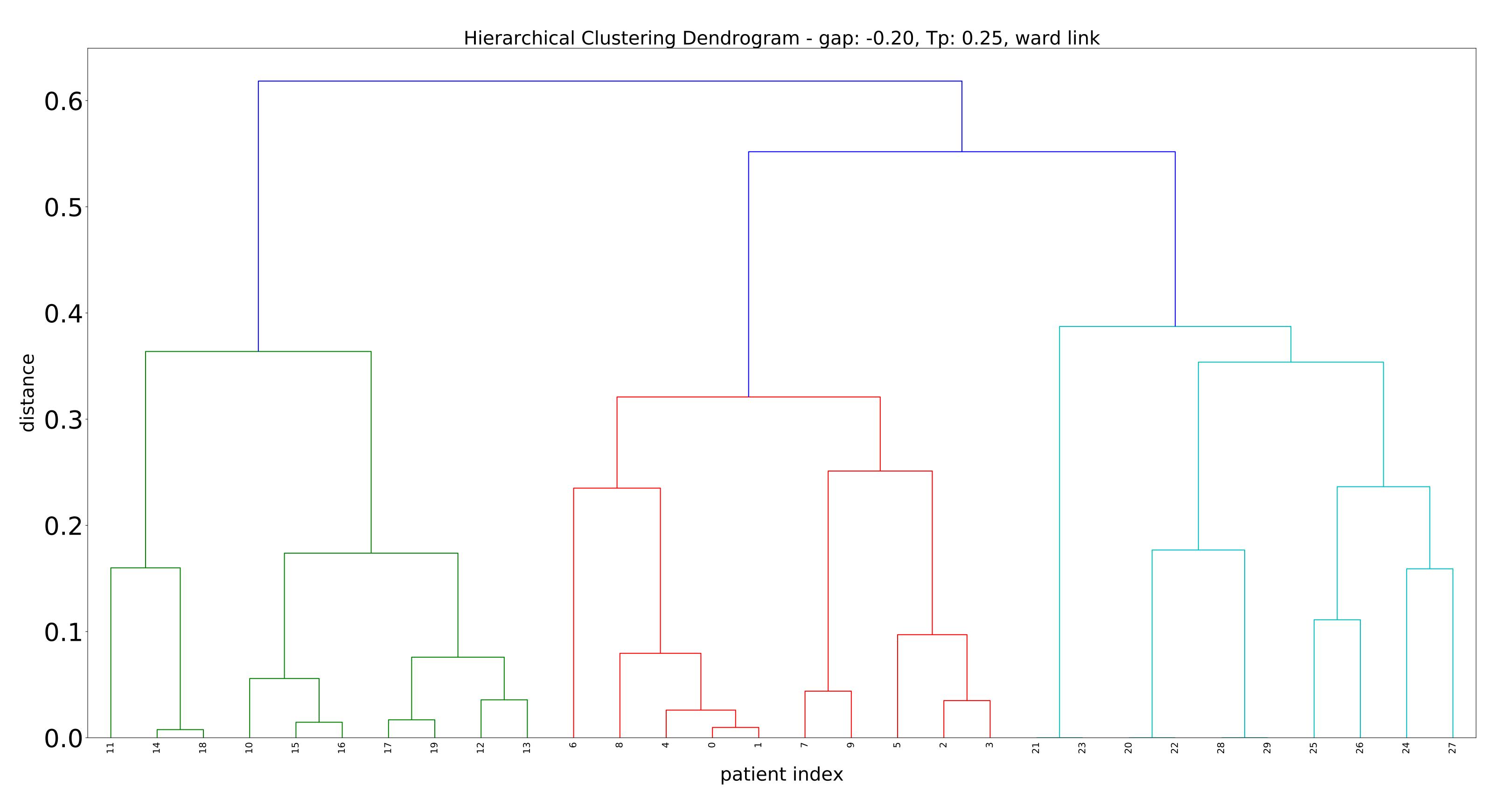
Cophenetic Correlation Coefficient: 0.88963630055

# Average values of five clustering indices gap: -0.30, Tp: 0.25, ward link

k	Rand	Adjusted Rand	Fowlkes and Mallows	Jaccard	Adjusted Wallace
2.0	0.804	0.607	0.82	0.743	0.609
3.0	0.977	0.946	0.963	0.936	0.95
4.0	0.949	0.868	0.904	0.834	0.826
5.0	0.931	0.798	0.844	0.74	0.752
6.0	0.941	0.8	0.84	0.734	0.743
7.0	0.966	0.855	0.876	0.793	0.876
8.0	0.965	0.833	0.854	0.752	0.844

Standard deviation of Adjusted Rand versus number of clusters gap: -0.30, Tp: 0.25, ward link



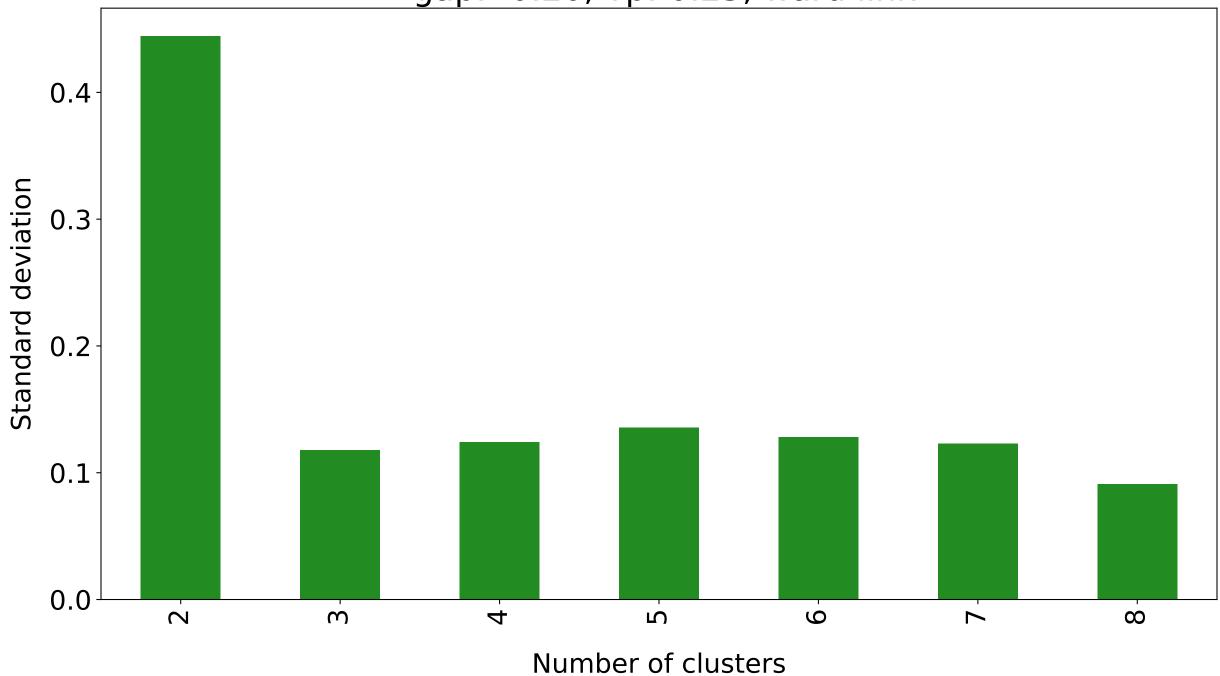


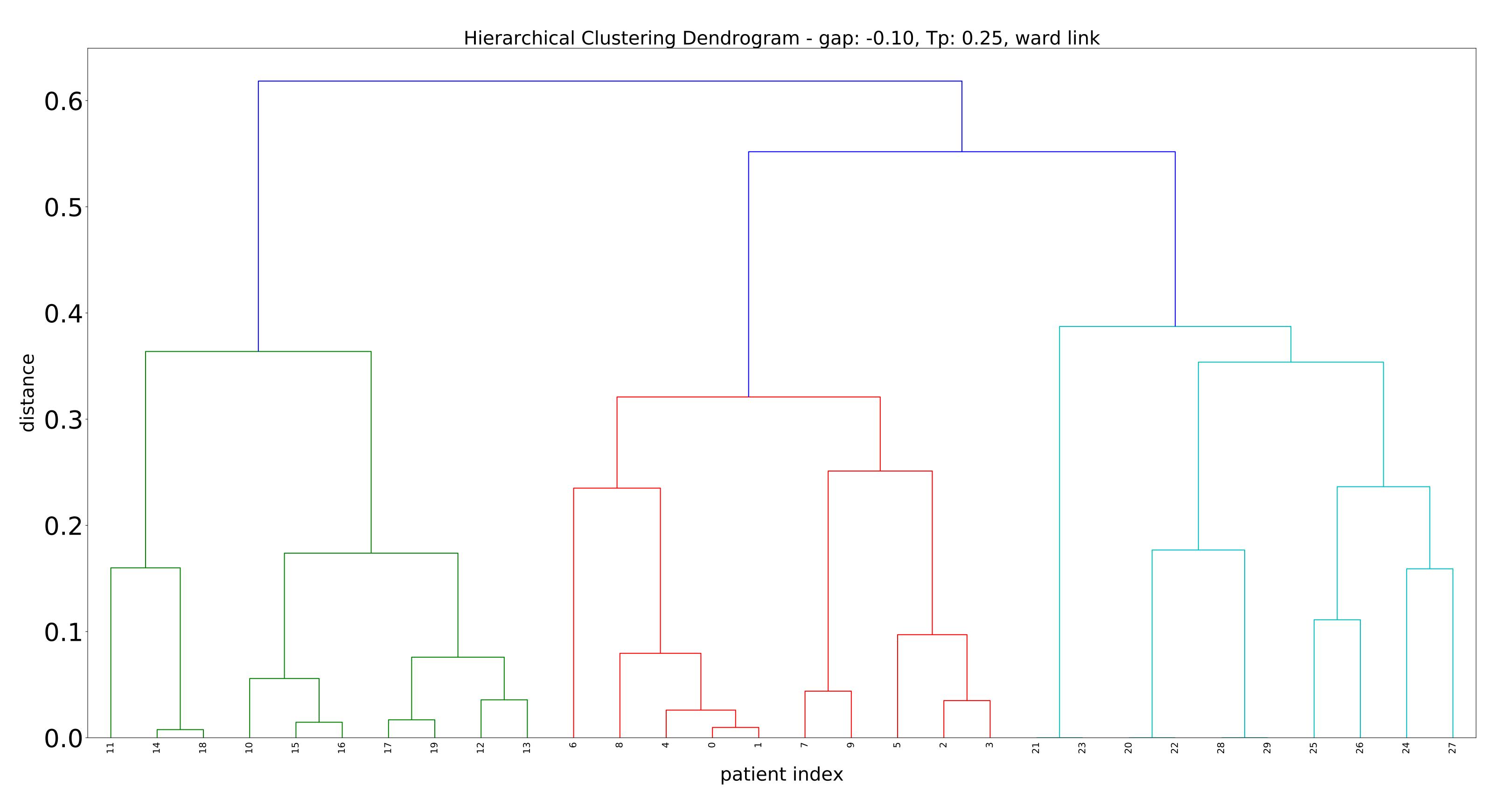
Cophenetic Correlation Coefficient: 0.88963630055

# Average values of five clustering indices gap: -0.20, Tp: 0.25, ward link

k	Rand	Adjusted Rand	Fowlkes and Mallows	Jaccard	Adjusted Wallace
2.0	0.797	0.593	0.815	0.734	0.596
3.0	0.97	0.93	0.952	0.918	0.933
4.0	0.95	0.872	0.907	0.84	0.834
5.0	0.93	0.793	0.84	0.734	0.744
6.0	0.942	0.803	0.843	0.736	0.746
7.0	0.964	0.845	0.867	0.779	0.862
8.0	0.967	0.841	0.861	0.763	0.852

Standard deviation of Adjusted Rand versus number of clusters gap: -0.20, Tp: 0.25, ward link



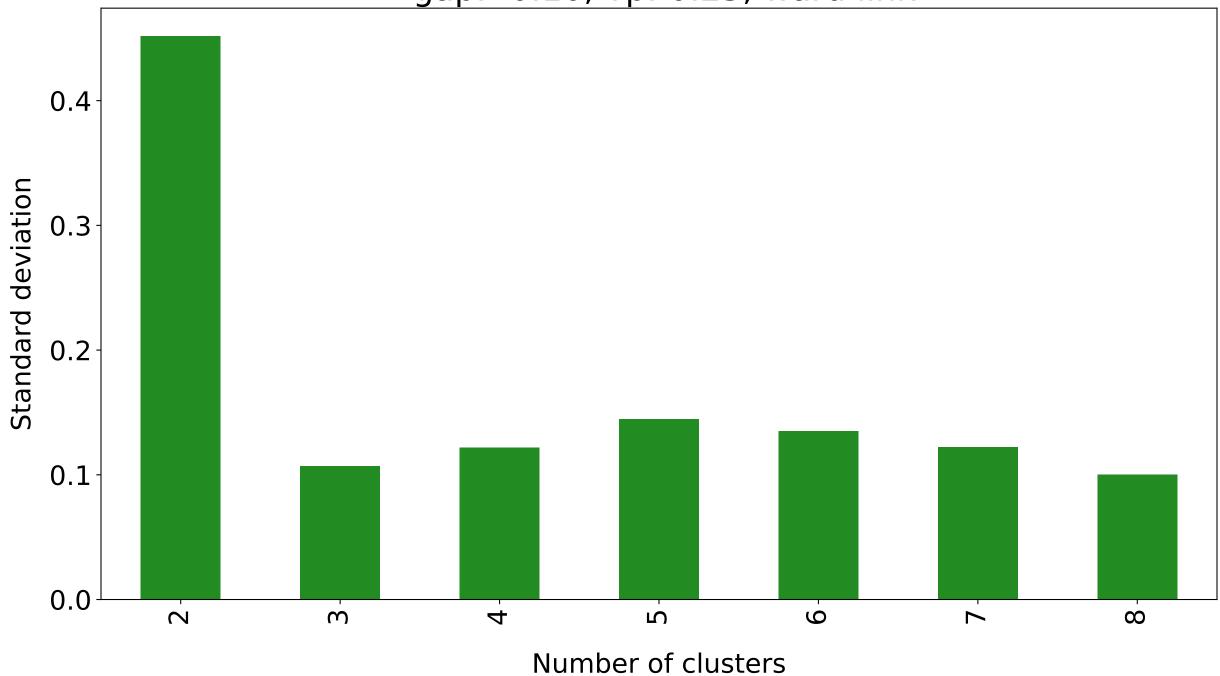


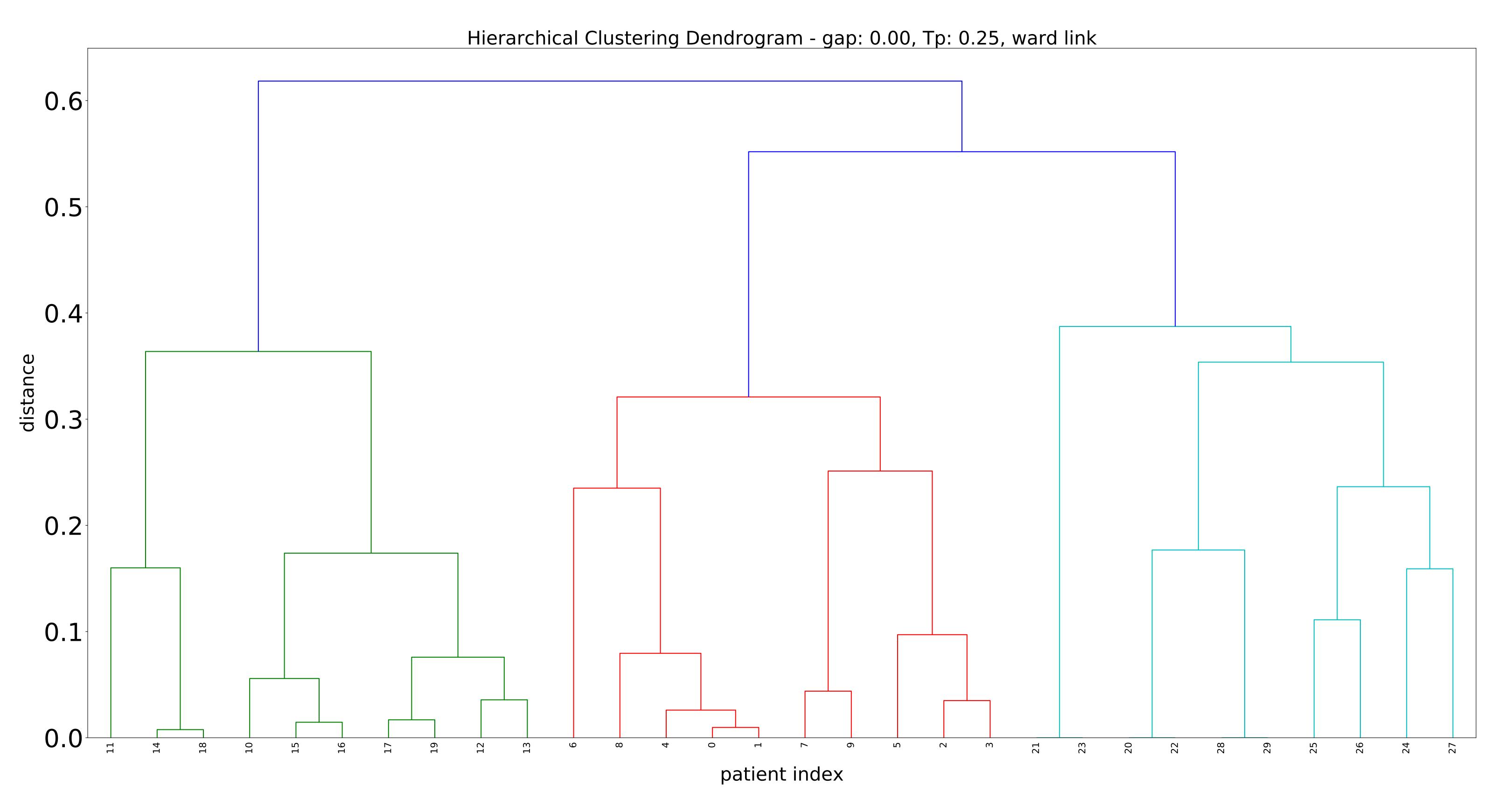
Cophenetic Correlation Coefficient: 0.88963630055

# Average values of five clustering indices gap: -0.10, Tp: 0.25, ward link

k	Rand	Adjusted Rand	Fowlkes and Mallows	Jaccard	Adjusted Wallace
2.0	0.789	0.575	0.806	0.724	0.579
3.0	0.974	0.941	0.959	0.93	0.945
4.0	0.951	0.873	0.908	0.841	0.834
5.0	0.931	0.797	0.843	0.741	0.755
6.0	0.945	0.812	0.849	0.748	0.761
7.0	0.962	0.838	0.861	0.769	0.861
8.0	0.965	0.834	0.855	0.755	0.847

Standard deviation of Adjusted Rand versus number of clusters gap: -0.10, Tp: 0.25, ward link



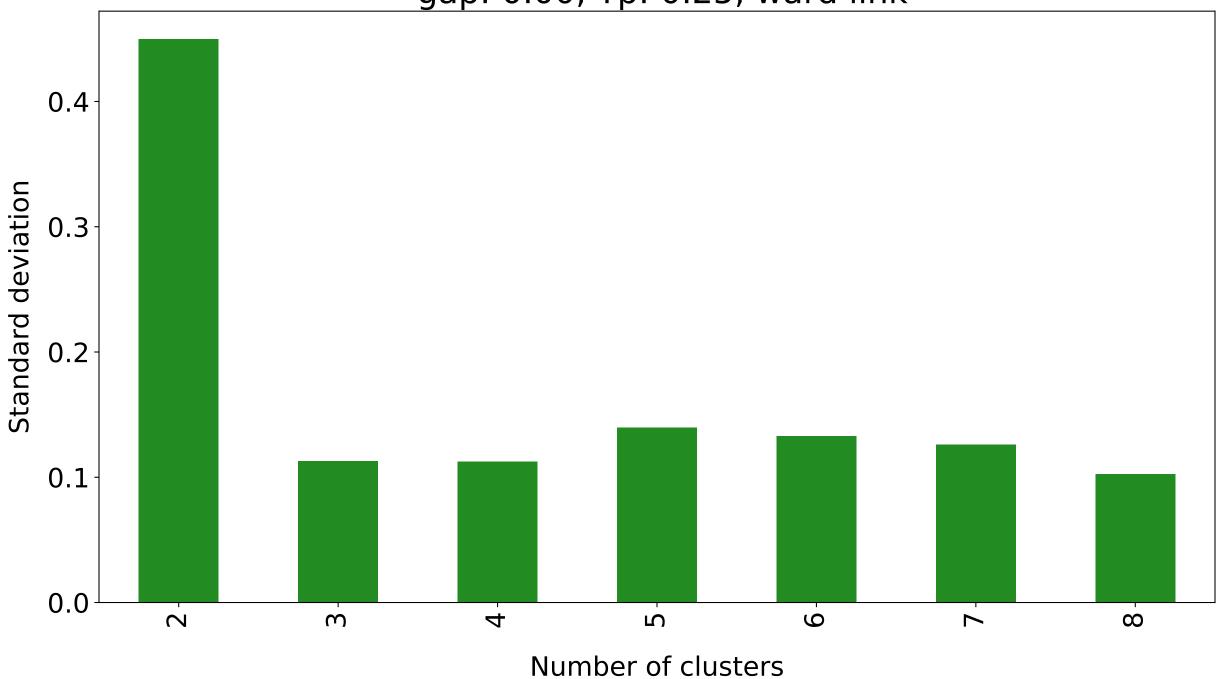


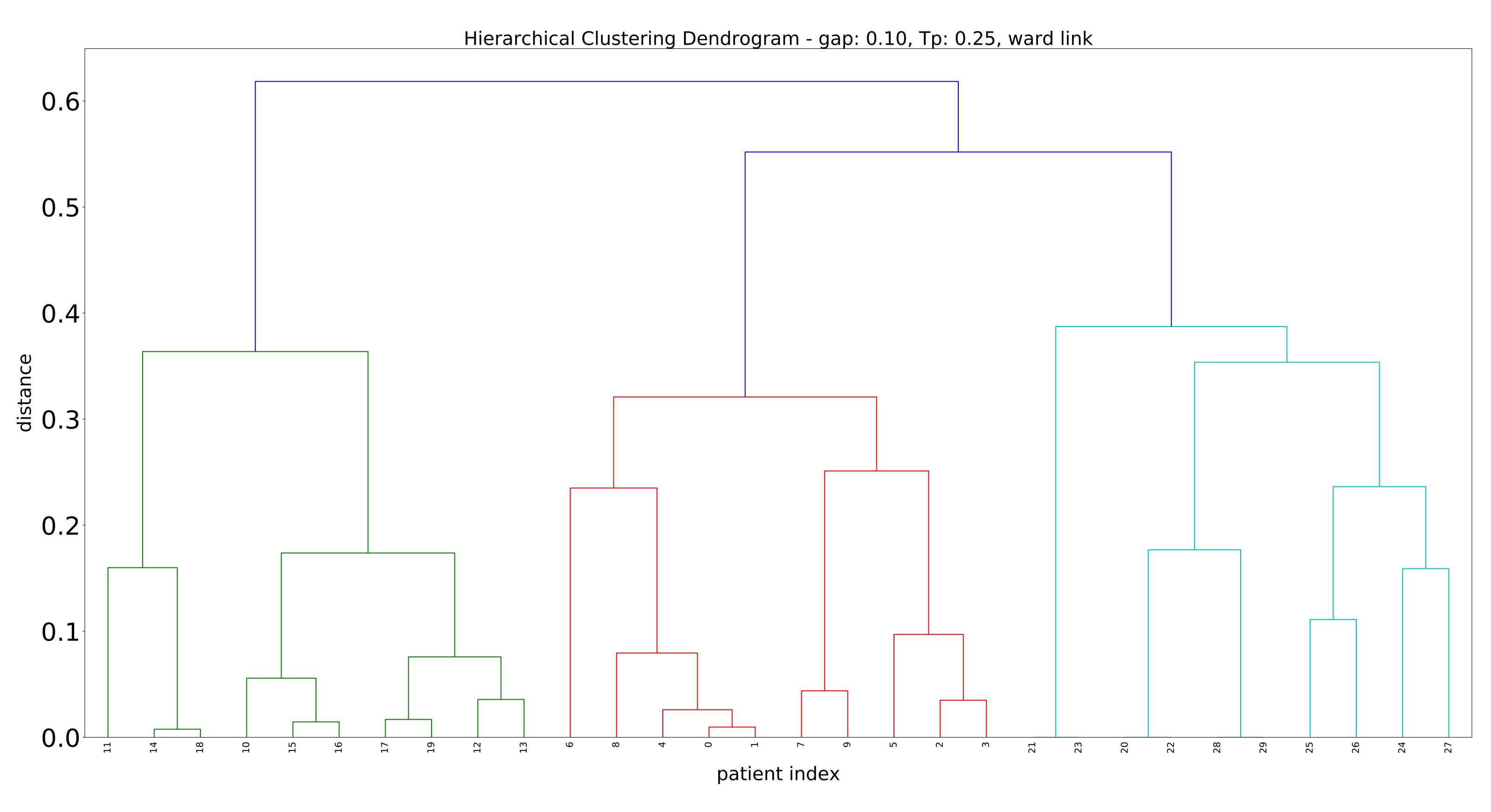
Cophenetic Correlation Coefficient: 0.88963630055

# Average values of five clustering indices gap: 0.00, Tp: 0.25, ward link

k	Rand	Adjusted Rand	Fowlkes and Mallows	Jaccard	Adjusted Wallace
2.0	0.805	0.608	0.822	0.746	0.611
3.0	0.97	0.931	0.953	0.919	0.934
4.0	0.956	0.886	0.917	0.855	0.849
5.0	0.929	0.791	0.839	0.733	0.749
6.0	0.938	0.79	0.831	0.72	0.735
7.0	0.961	0.836	0.859	0.767	0.859
8.0	0.964	0.826	0.848	0.745	0.84

Standard deviation of Adjusted Rand versus number of clusters gap: 0.00, Tp: 0.25, ward link



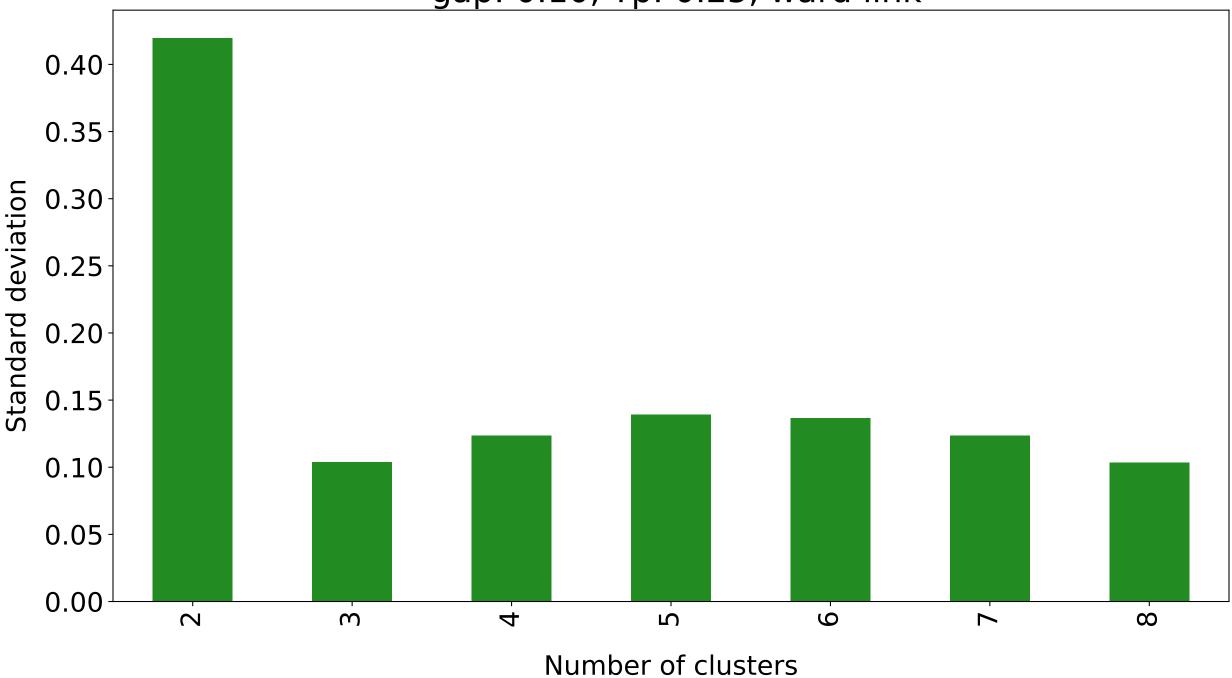


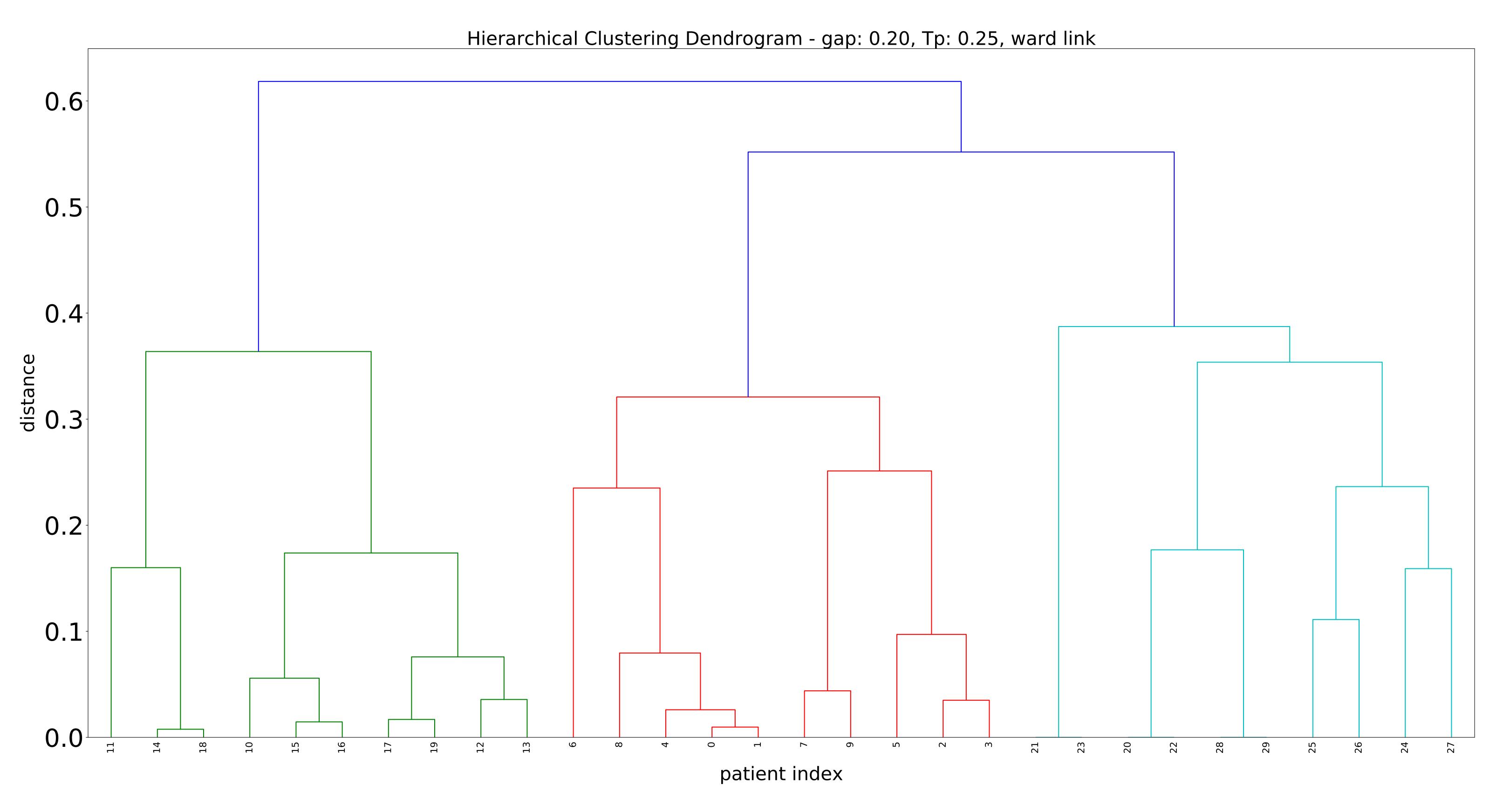
Cophenetic Correlation Coefficient: 0.88963630055

# Average values of five clustering indices gap: 0.10, Tp: 0.25, ward link

k	Rand	Adjusted Rand	Fowlkes and Mallows	Jaccard	Adjusted Wallace
2.0	0.846	0.691	0.859	0.797	0.695
3.0	0.974	0.941	0.96	0.93	0.944
4.0	0.952	0.877	0.911	0.846	0.838
5.0	0.934	0.807	0.851	0.752	0.764
6.0	0.943	0.804	0.842	0.738	0.753
7.0	0.962	0.839	0.862	0.771	0.861
8.0	0.964	0.829	0.851	0.749	0.84

Standard deviation of Adjusted Rand versus number of clusters gap: 0.10, Tp: 0.25, ward link



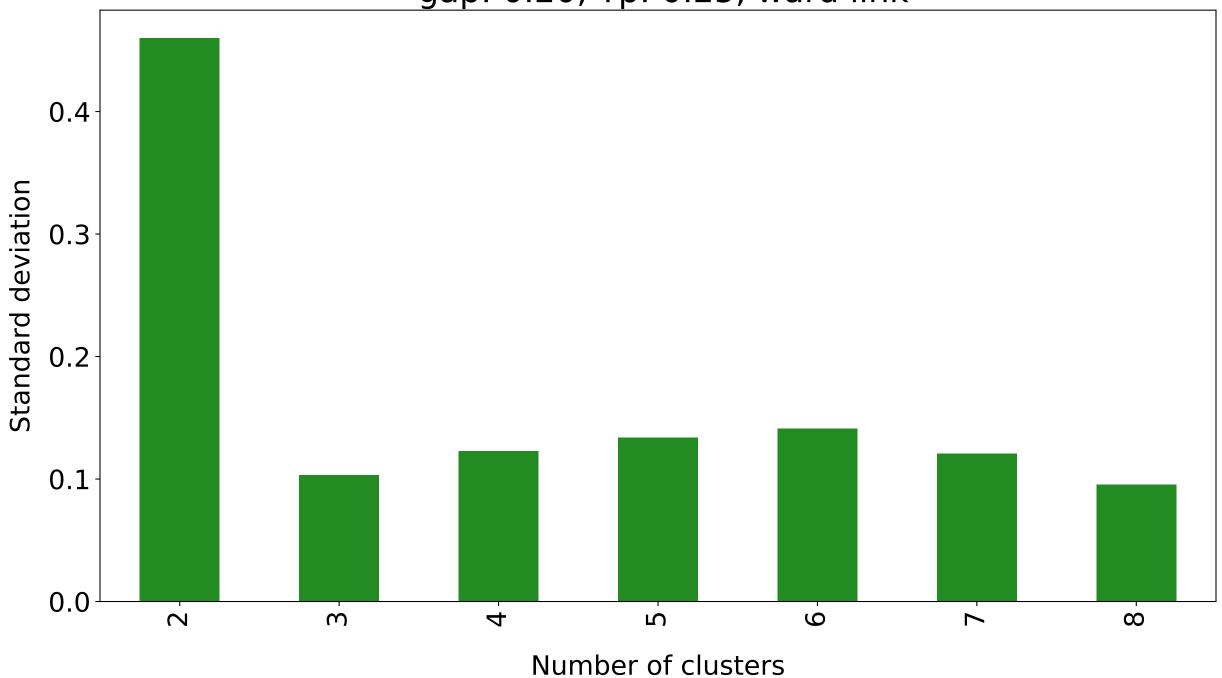


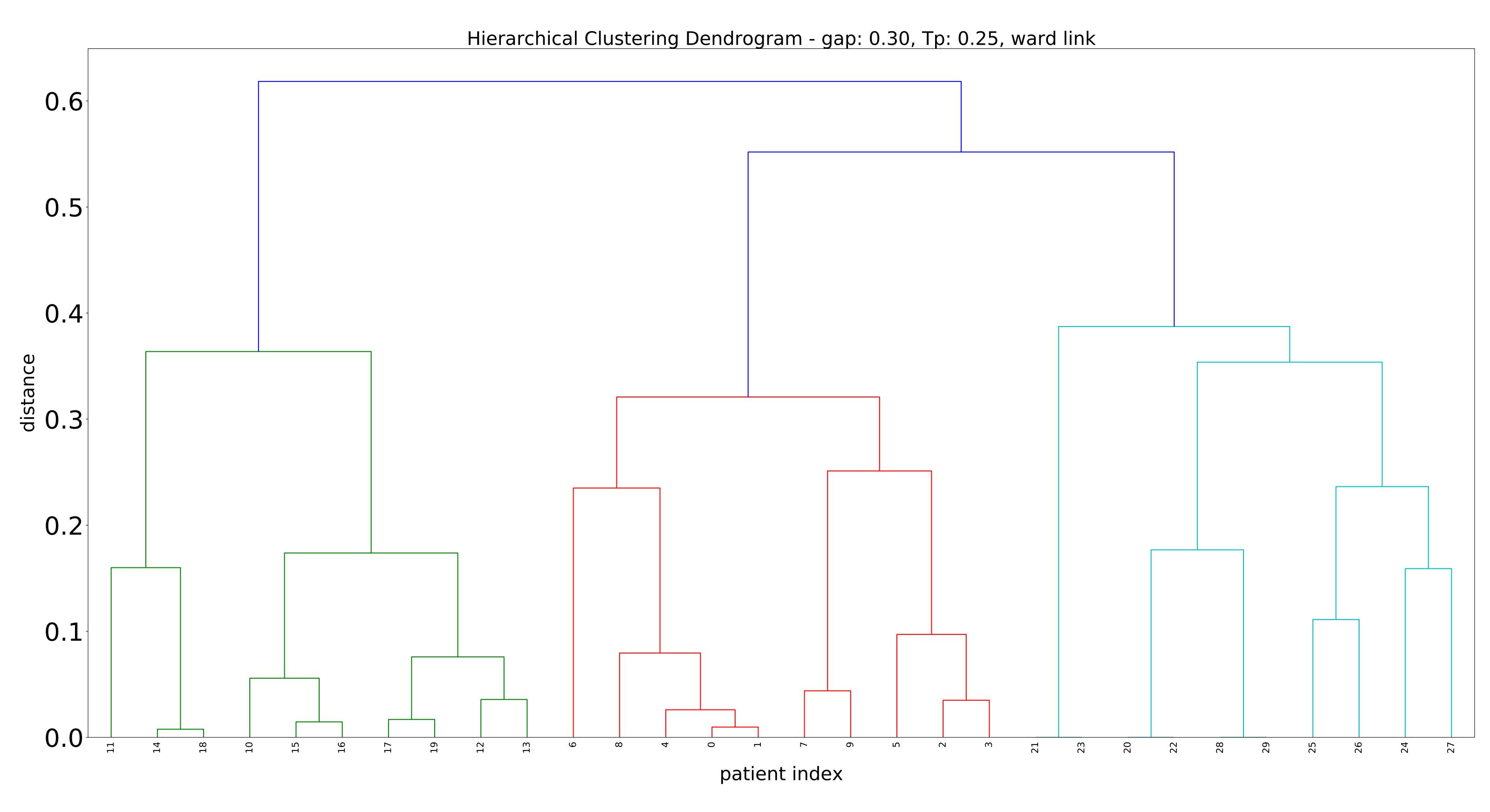
Cophenetic Correlation Coefficient: 0.88963630055

# Average values of five clustering indices gap: 0.20, Tp: 0.25, ward link

k	Rand	Adjusted Rand	Fowlkes and Mallows	Jaccard	Adjusted Wallace
2.0	0.803	0.604	0.821	0.746	0.607
3.0	0.977	0.946	0.963	0.937	0.949
4.0	0.958	0.89	0.92	0.862	0.858
5.0	0.932	0.799	0.844	0.741	0.759
6.0	0.947	0.819	0.854	0.758	0.773
7.0	0.962	0.838	0.86	0.768	0.862
8.0	0.965	0.829	0.851	0.747	0.845

Standard deviation of Adjusted Rand versus number of clusters gap: 0.20, Tp: 0.25, ward link



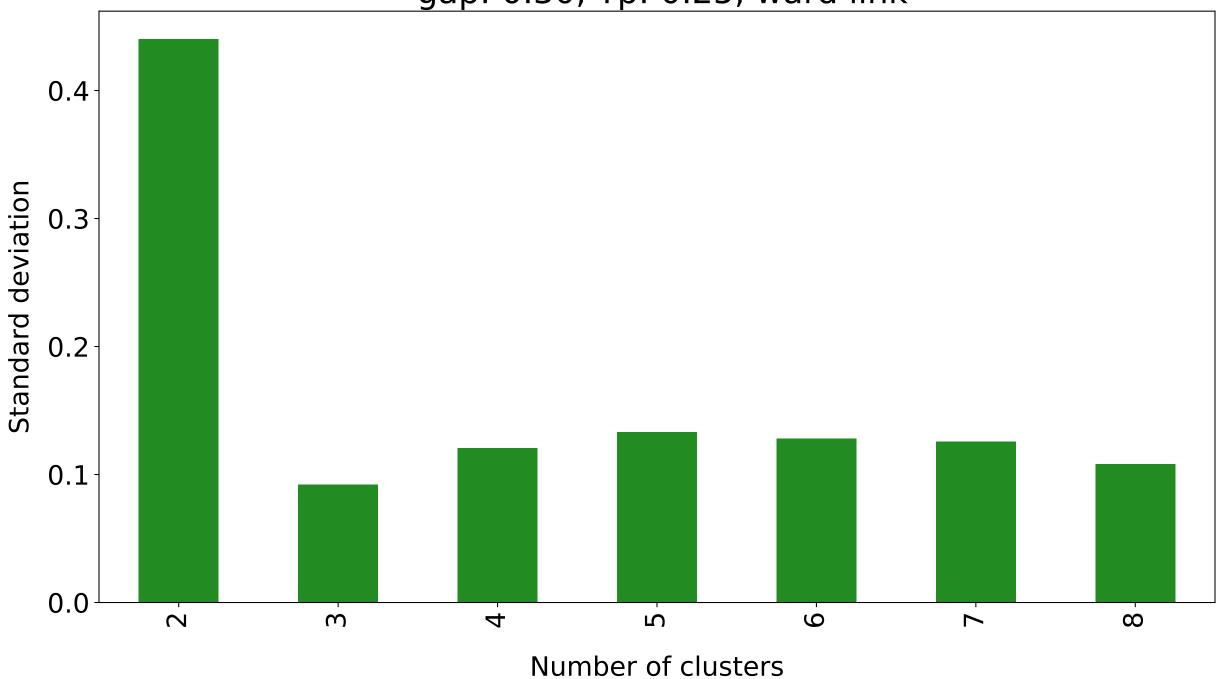


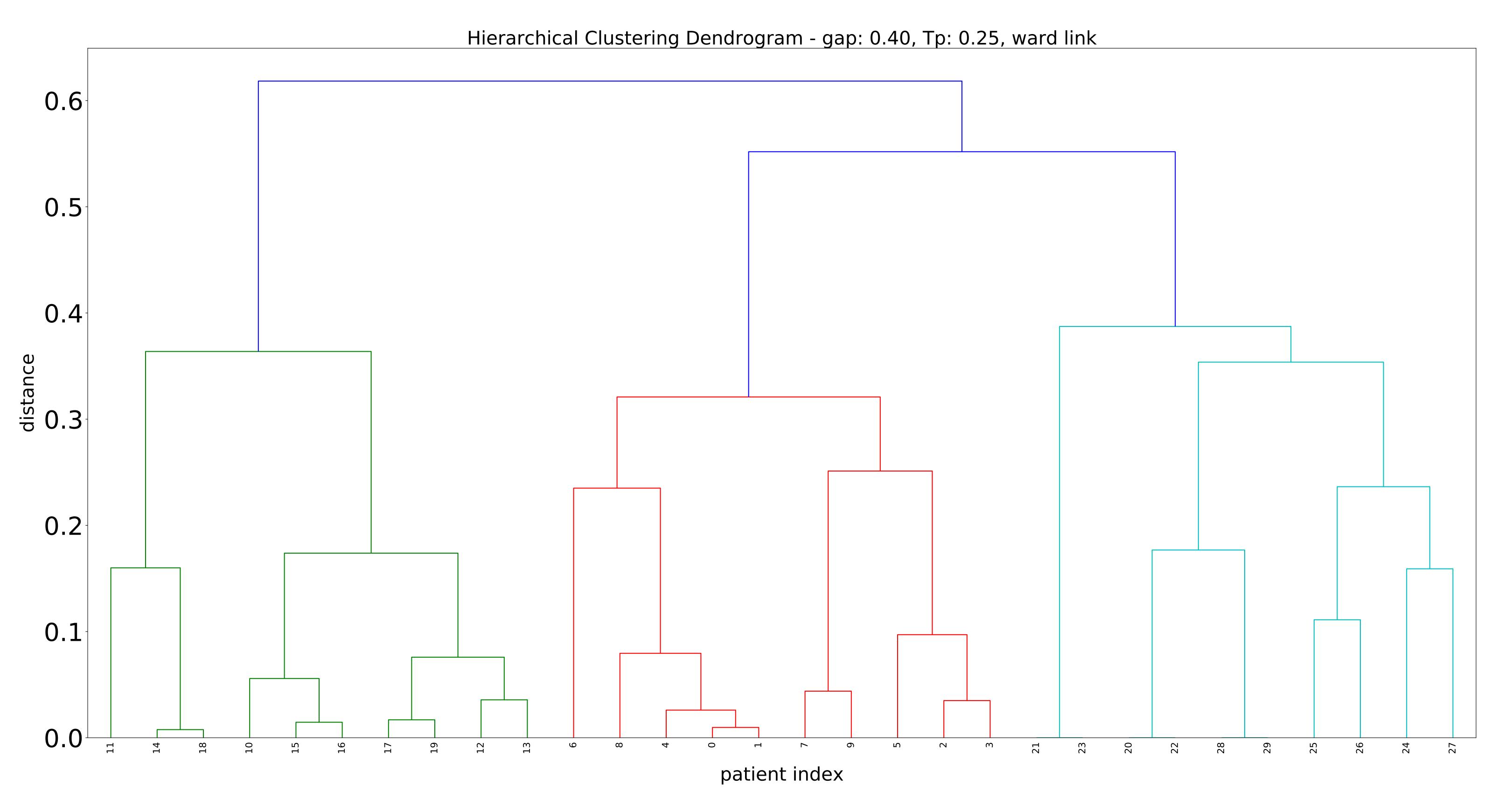
Cophenetic Correlation Coefficient: 0.88963630055

# Average values of five clustering indices gap: 0.30, Tp: 0.25, ward link

k	Rand	Adjusted Rand	Fowlkes and Mallows	Jaccard	Adjusted Wallace
2.0	0.815	0.629	0.831	0.757	0.633
3.0	0.978	0.949	0.965	0.938	0.951
4.0	0.951	0.874	0.908	0.841	0.834
5.0	0.931	0.795	0.841	0.736	0.751
6.0	0.942	0.802	0.841	0.734	0.749
7.0	0.962	0.839	0.862	0.772	0.858
8.0	0.965	0.832	0.853	0.754	0.84

Standard deviation of Adjusted Rand versus number of clusters gap: 0.30, Tp: 0.25, ward link



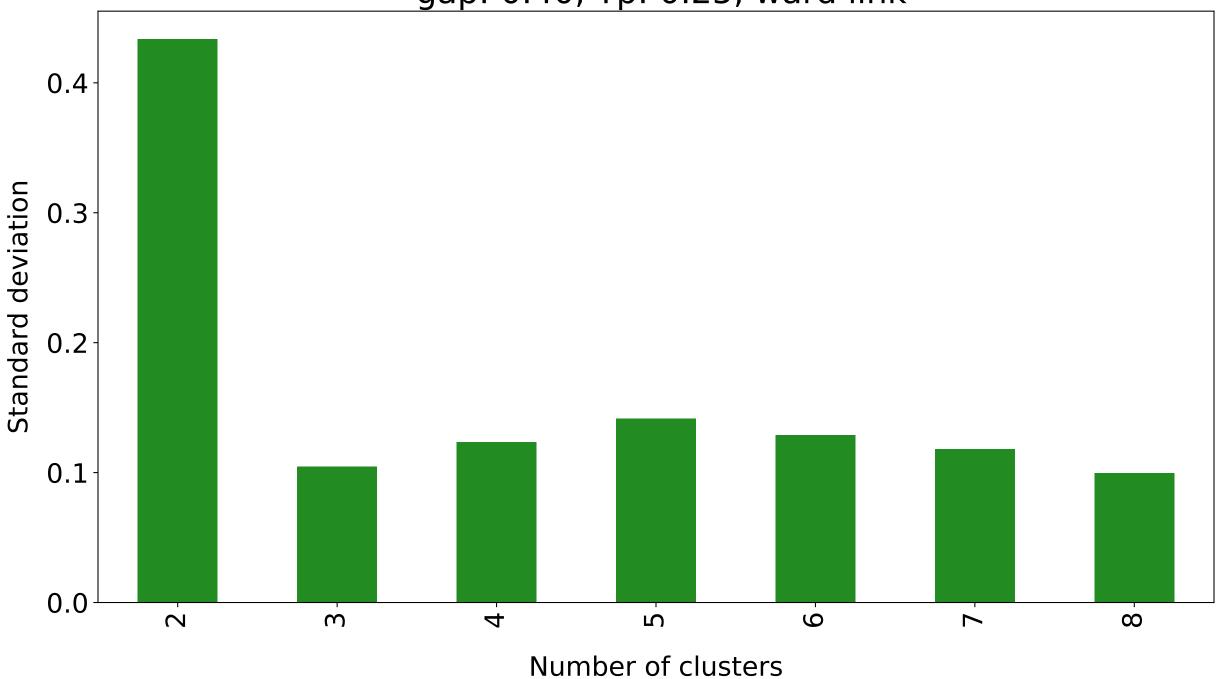


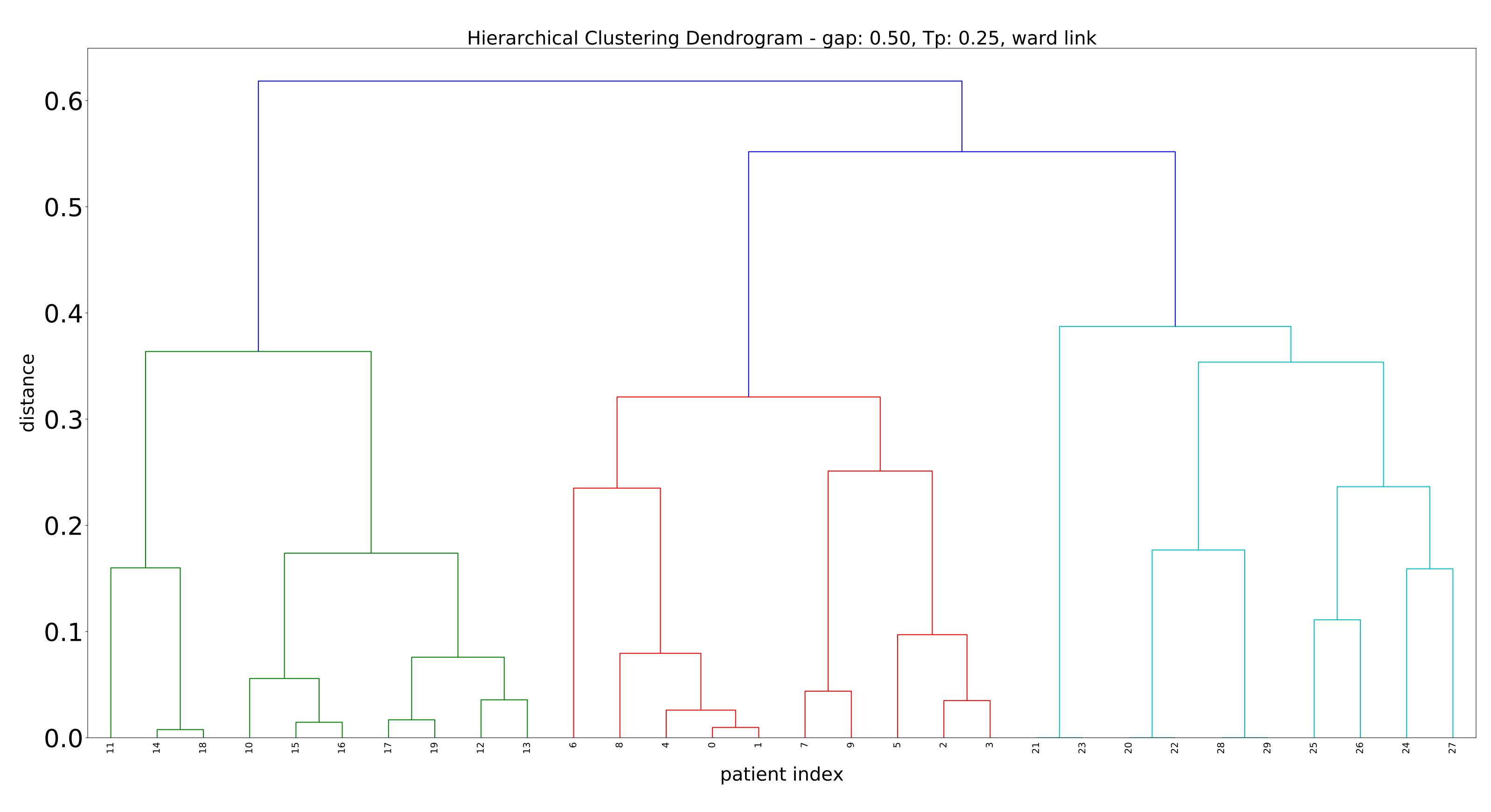
Cophenetic Correlation Coefficient: 0.88963630055

# Average values of five clustering indices gap: 0.40, Tp: 0.25, ward link

k	Rand	Adjusted Rand	Fowlkes and Mallows	Jaccard	Adjusted Wallace
2.0	0.823	0.644	0.837	0.766	0.648
3.0	0.972	0.935	0.956	0.923	0.939
4.0	0.946	0.861	0.899	0.826	0.82
5.0	0.93	0.793	0.84	0.735	0.749
6.0	0.942	0.801	0.839	0.733	0.749
7.0	0.963	0.844	0.867	0.777	0.866
8.0	0.966	0.84	0.86	0.762	0.85

Standard deviation of Adjusted Rand versus number of clusters gap: 0.40, Tp: 0.25, ward link



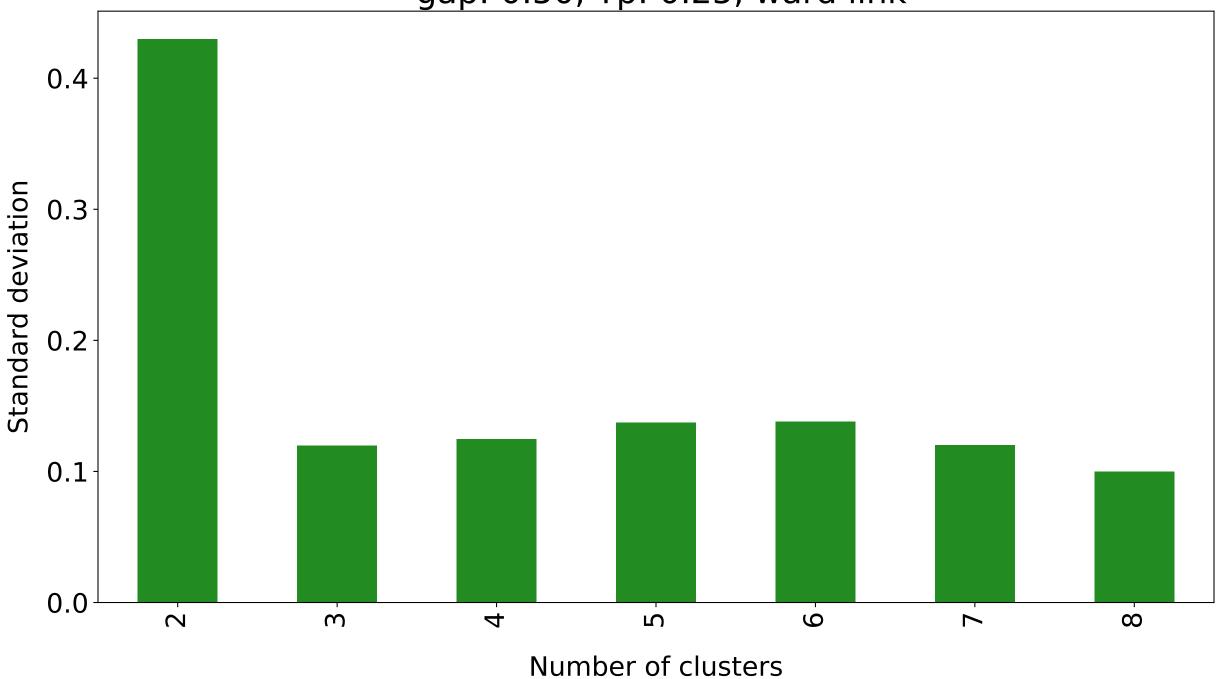


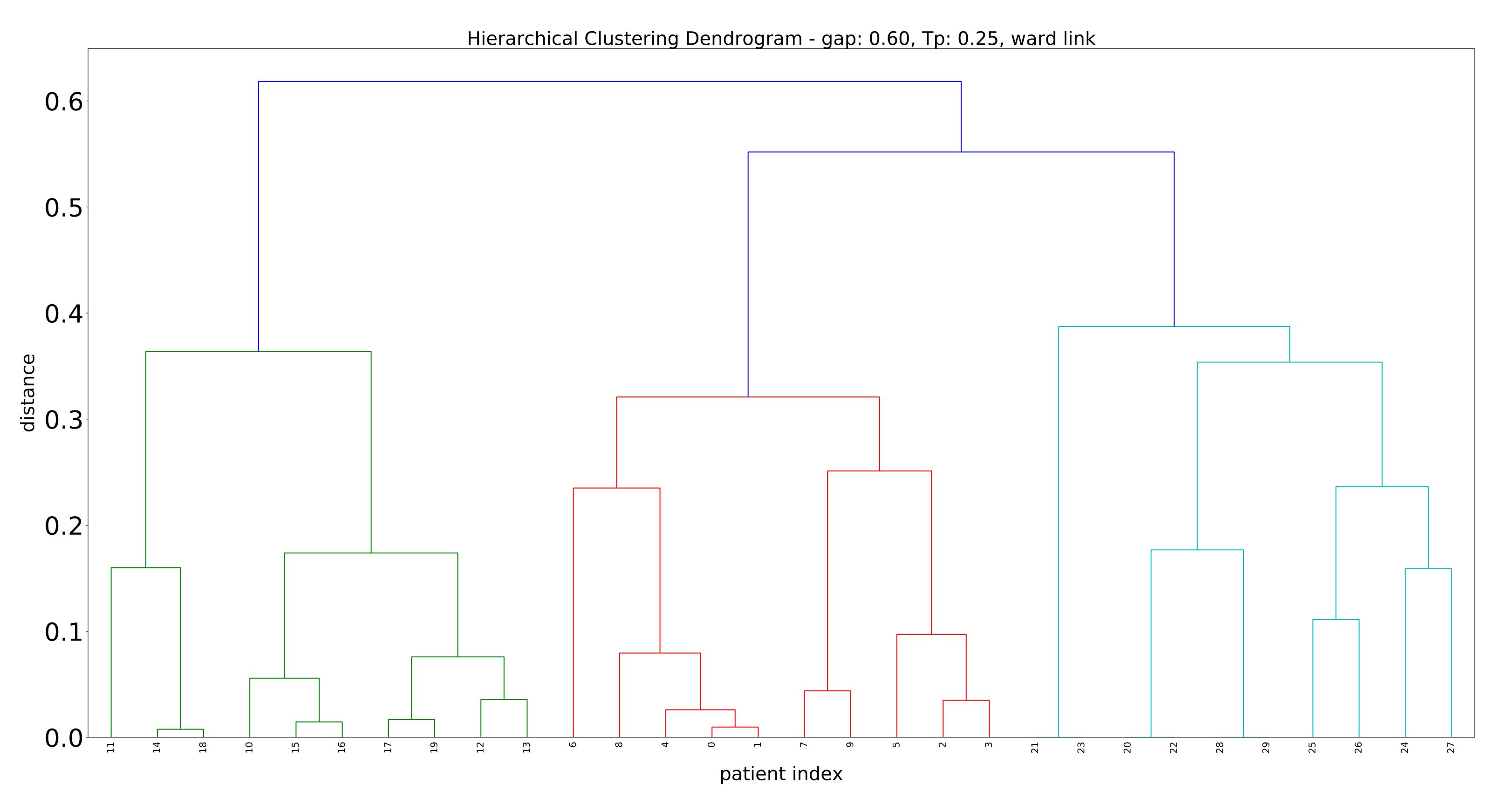
Cophenetic Correlation Coefficient: 0.88963630055

# Average values of five clustering indices gap: 0.50, Tp: 0.25, ward link

k	Rand	Adjusted Rand	Fowlkes and Mallows	Jaccard	Adjusted Wallace
2.0	0.842	0.683	0.855	0.793	0.686
3.0	0.97	0.931	0.953	0.92	0.935
4.0	0.953	0.878	0.911	0.847	0.843
5.0	0.936	0.809	0.852	0.753	0.768
6.0	0.95	0.83	0.863	0.772	0.788
7.0	0.962	0.838	0.861	0.769	0.863
8.0	0.965	0.832	0.853	0.752	0.847

Standard deviation of Adjusted Rand versus number of clusters gap: 0.50, Tp: 0.25, ward link



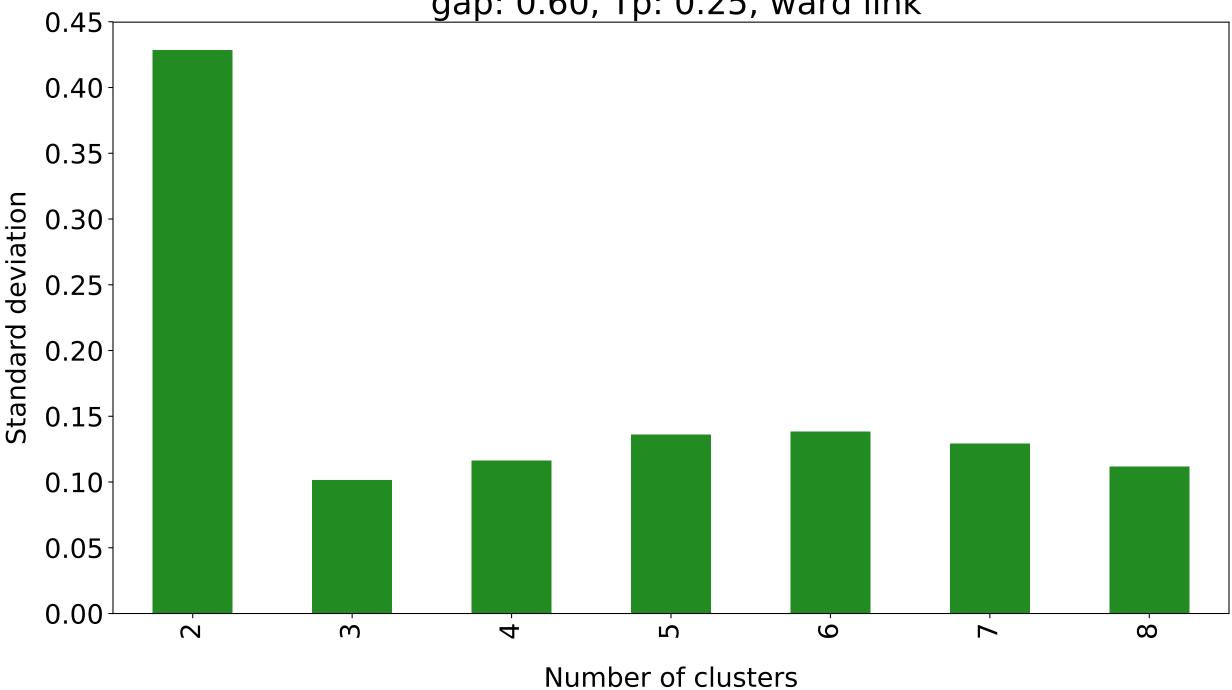


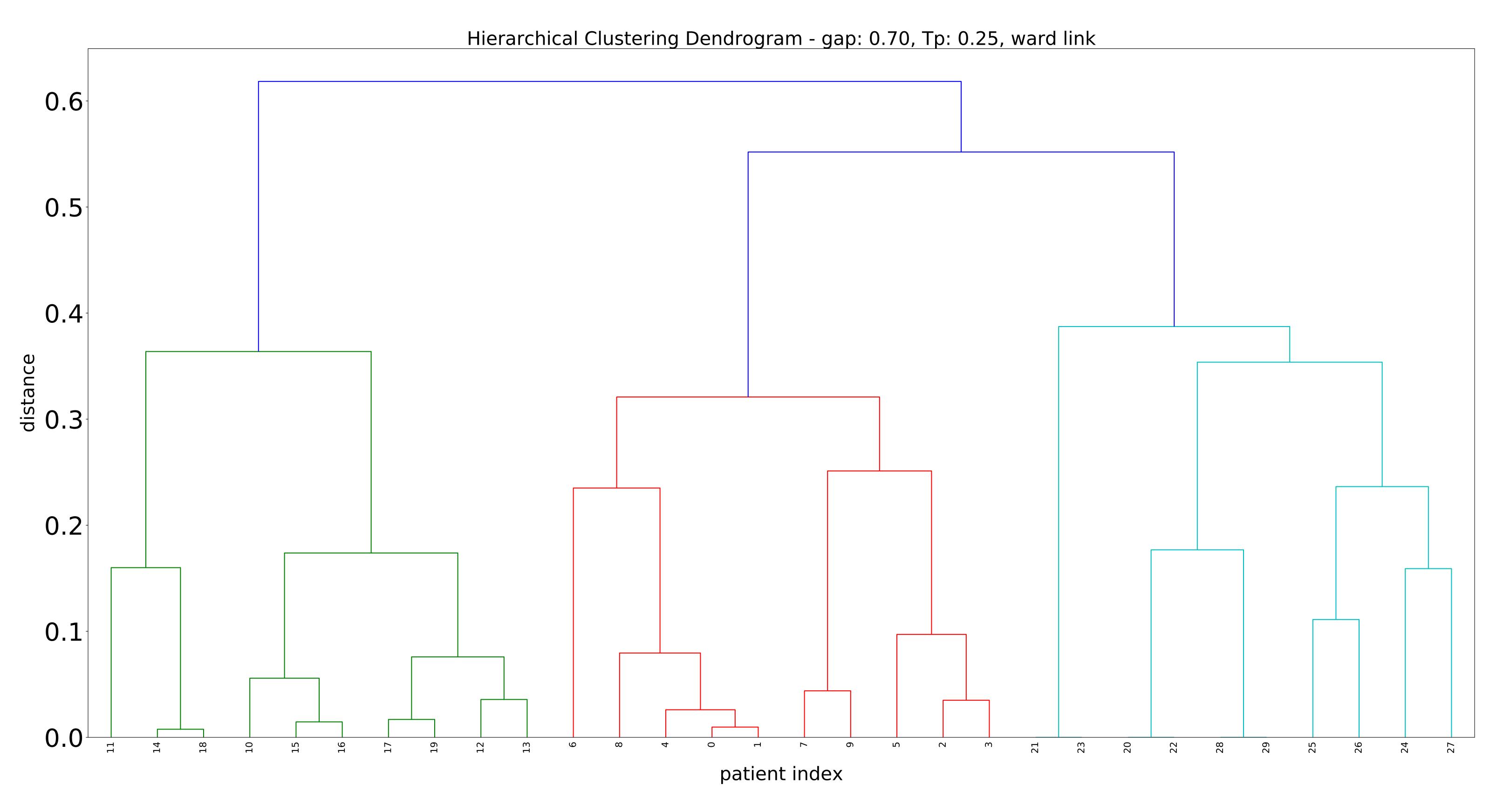
Cophenetic Correlation Coefficient: 0.88963630055

# Average values of five clustering indices gap: 0.60, Tp: 0.25, ward link

k	Rand	Adjusted Rand	Fowlkes and Mallows	Jaccard	Adjusted Wallace
2.0	0.824	0.647	0.838	0.766	0.651
3.0	0.973	0.938	0.957	0.926	0.943
4.0	0.948	0.866	0.902	0.83	0.822
5.0	0.932	0.801	0.846	0.743	0.76
6.0	0.946	0.817	0.854	0.756	0.765
7.0	0.962	0.84	0.863	0.773	0.863
8.0	0.963	0.824	0.846	0.743	0.836

Standard deviation of Adjusted Rand versus number of clusters gap: 0.60, Tp: 0.25, ward link



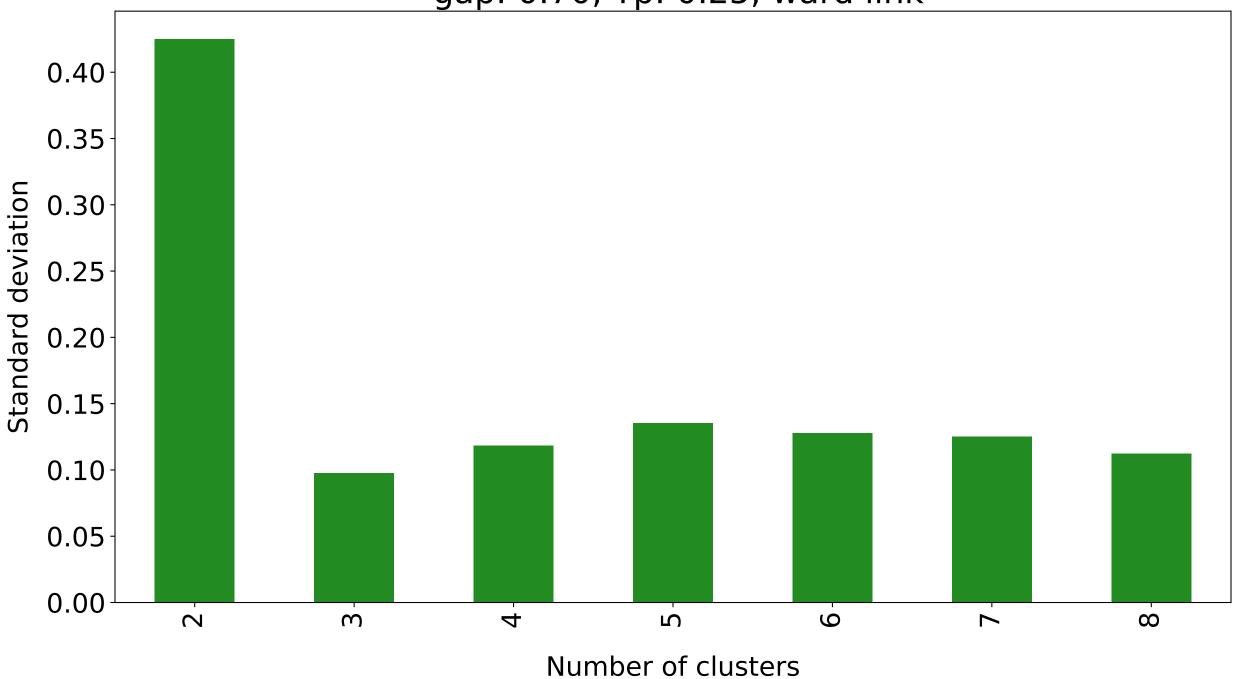


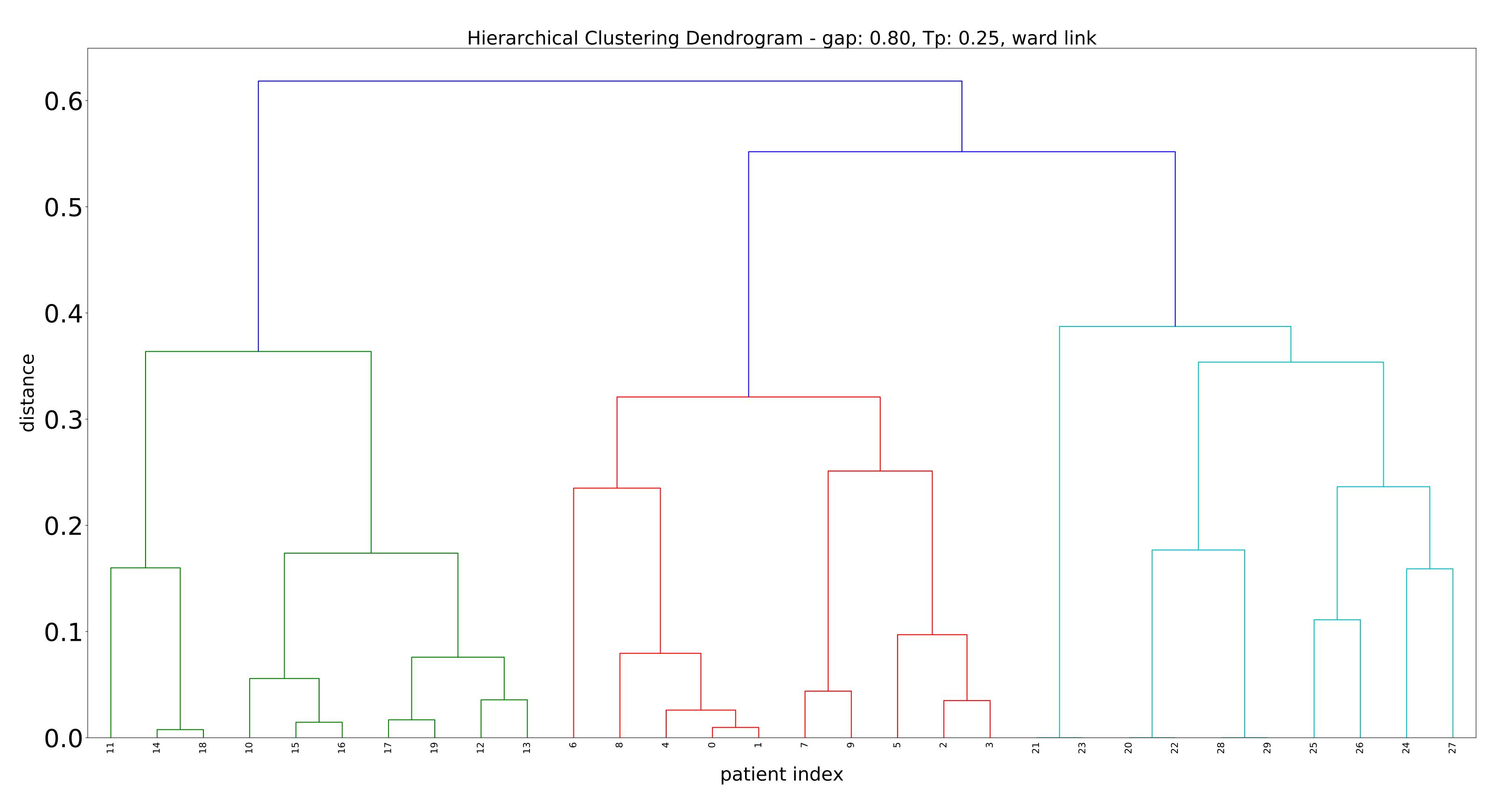
Cophenetic Correlation Coefficient: 0.88963630055

# Average values of five clustering indices gap: 0.70, Tp: 0.25, ward link

k	Rand	Adjusted Rand	Fowlkes and Mallows	Jaccard	Adjusted Wallace
2.0	0.824	0.646	0.838	0.765	0.648
3.0	0.971	0.932	0.954	0.919	0.936
4.0	0.947	0.865	0.902	0.83	0.821
5.0	0.927	0.783	0.833	0.723	0.734
6.0	0.94	0.796	0.836	0.726	0.738
7.0	0.961	0.835	0.858	0.766	0.858
8.0	0.963	0.827	0.849	0.749	0.836

Standard deviation of Adjusted Rand versus number of clusters gap: 0.70, Tp: 0.25, ward link



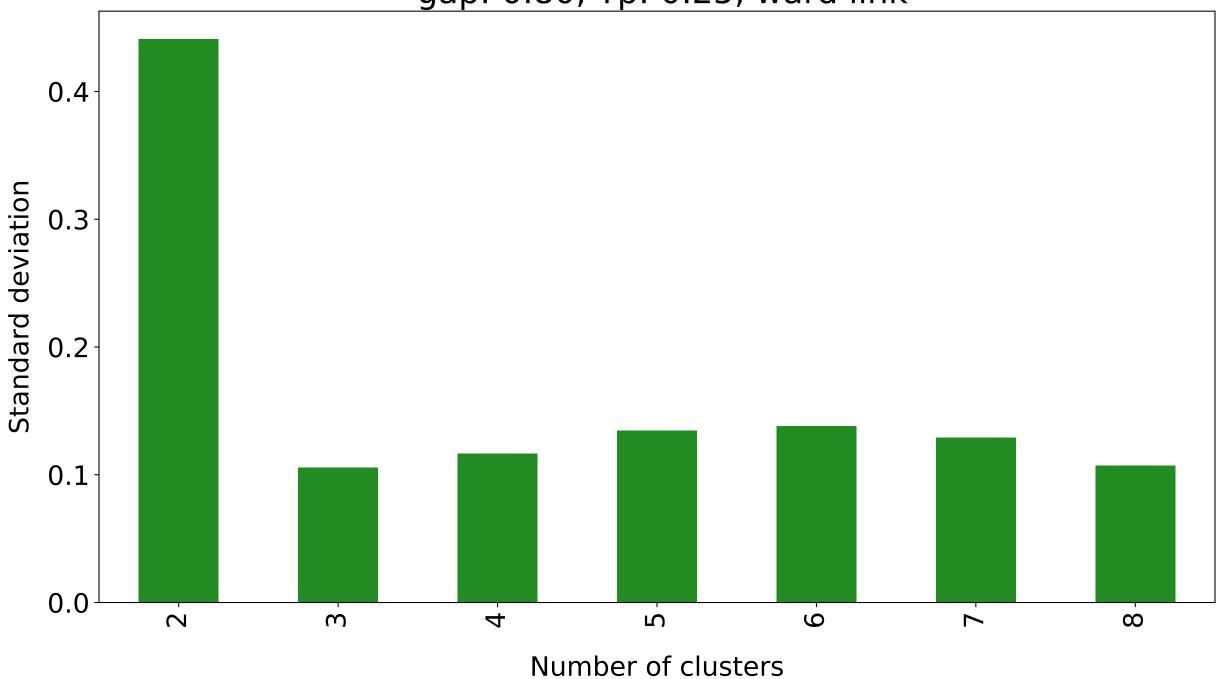


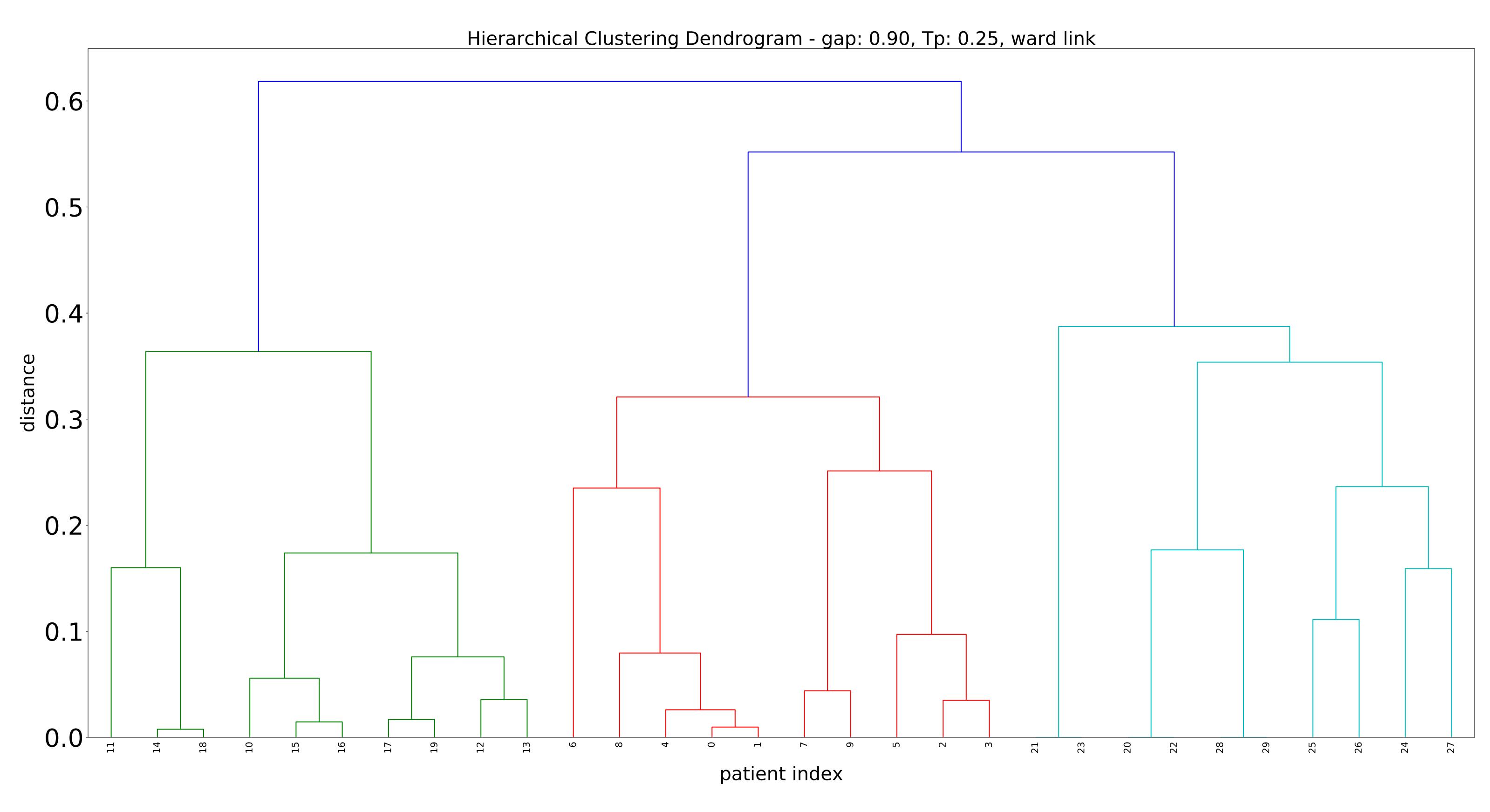
Cophenetic Correlation Coefficient: 0.88963630055

# Average values of five clustering indices gap: 0.80, Tp: 0.25, ward link

k	Rand	Adjusted Rand	Fowlkes and Mallows	Jaccard	Adjusted Wallace
2.0	0.8	0.599	0.816	0.736	0.604
3.0	0.973	0.937	0.957	0.926	0.941
4.0	0.951	0.873	0.907	0.839	0.831
5.0	0.933	0.801	0.846	0.743	0.759
6.0	0.945	0.813	0.85	0.75	0.763
7.0	0.964	0.845	0.867	0.78	0.866
8.0	0.963	0.821	0.843	0.738	0.832

Standard deviation of Adjusted Rand versus number of clusters gap: 0.80, Tp: 0.25, ward link



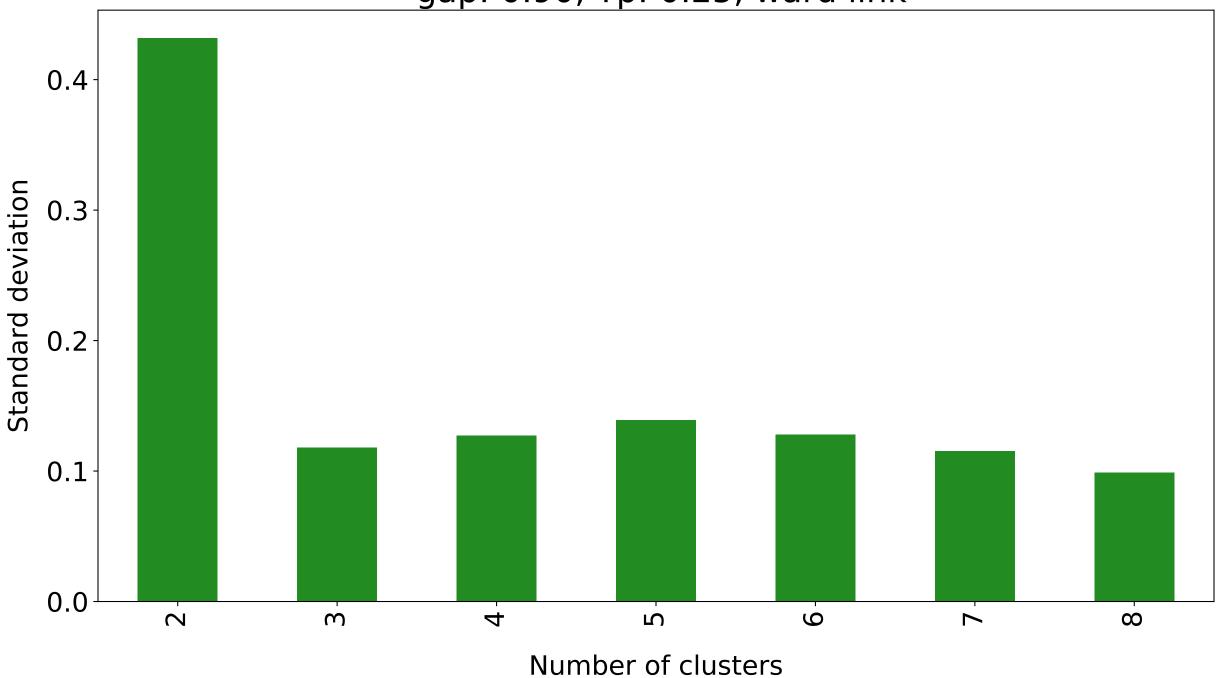


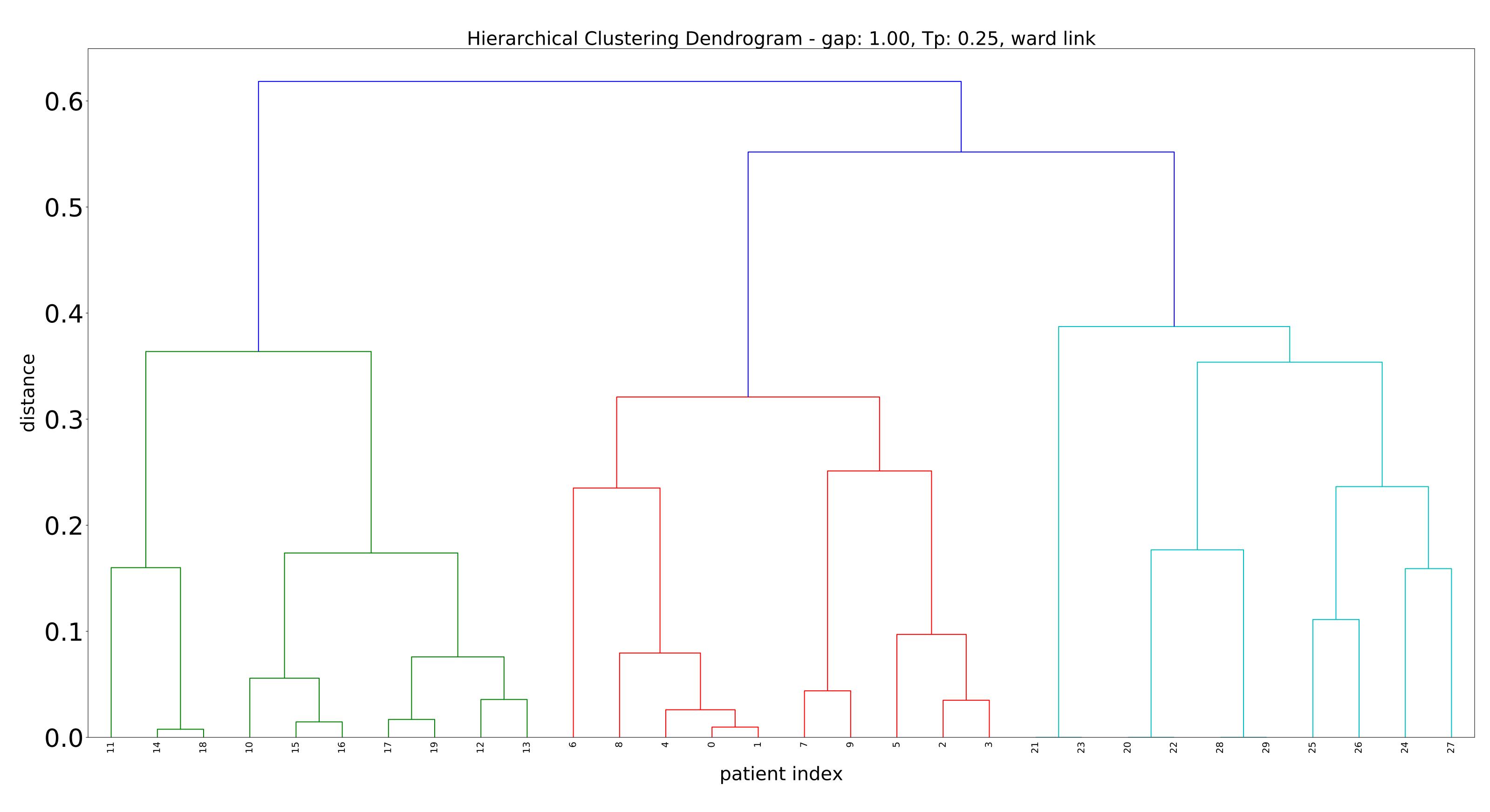
Cophenetic Correlation Coefficient: 0.88963630055

# Average values of five clustering indices gap: 0.90, Tp: 0.25, ward link

k	Rand	Adjusted Rand	Fowlkes and Mallows	Jaccard	Adjusted Wallace
2.0	0.831	0.661	0.845	0.778	0.664
3.0	0.973	0.937	0.957	0.928	0.941
4.0	0.95	0.872	0.907	0.84	0.834
5.0	0.937	0.813	0.855	0.759	0.773
6.0	0.944	0.807	0.844	0.739	0.757
7.0	0.964	0.849	0.871	0.783	0.873
8.0	0.965	0.83	0.852	0.75	0.838

Standard deviation of Adjusted Rand versus number of clusters gap: 0.90, Tp: 0.25, ward link





Cophenetic Correlation Coefficient: 0.88963630055

# Average values of five clustering indices gap: 1.00, Tp: 0.25, ward link

k	Rand	Adjusted Rand	Fowlkes and Mallows	Jaccard	Adjusted Wallace
2.0	0.825	0.649	0.84	0.77	0.654
3.0	0.968	0.925	0.949	0.912	0.929
4.0	0.95	0.872	0.907	0.839	0.832
5.0	0.931	0.796	0.842	0.74	0.754
6.0	0.948	0.821	0.856	0.758	0.772
7.0	0.963	0.842	0.865	0.775	0.866
8.0	0.964	0.829	0.851	0.748	0.845

Standard deviation of Adjusted Rand versus number of clusters gap: 1.00, Tp: 0.25, ward link

