

Pearson correlation between samples

D13 -	0.923	0.932	0.922	0.939	0.942	0.952	0.921	0.945	0.889	0.943	0.878	0.948	0.959	0.962	0.95	0.935	0.964	0.872	0.941	0.843	0.956	0.939	0.949	0.958	0.973	0.96	0.967	0.956	0.923	0.956	0.972	0.967	0.953	1	
D12 -	0.94	0.951	0.931	0.937	0.951	0.936	0.91	0.926	0.918	0.954	0.919	0.949	0.955	0.95	0.942	0.937	0.962	0.888	0.947	0.884	0.961	0.96	0.961	0.963	0.957	0.961	0.962	0.967	0.917	0.96	0.966	0.967	1	0.953	
D11 -	0.941	0.95	0.929	0.944	0.95	0.95	0.921	0.939	0.912	0.954	0.906	0.952	0.963	0.956	0.955	0.946	0.968	0.893	0.953	0.871	0.961	0.951	0.956	0.965	0.965	0.967	0.969	0.926	0.962	0.977	1	0.967	0.967		
D10 -	0.939	0.946	0.923	0.943	0.955	0.951	0.925	0.939	0.903	0.947	0.909	0.959	0.97	0.965	0.984	0.955	0.972	0.902	0.956	0.878	0.966	0.947	0.954	0.968	0.968	0.967	0.967	0.933	0.964	1	0.977	0.966	0.972		
D9 -	0.94	0.941	0.929	0.935	0.95	0.943	0.917	0.934	0.91	0.951	0.908	0.952	0.958	0.954	0.947	0.935	0.96	0.882	0.95	0.867	0.954	0.949	0.957	0.963	0.958	0.968	0.957	0.96	0.92	1	0.964	0.962	0.96	0.956	
D8 -	0.891	0.89	0.894	0.905	0.91	0.925	0.903	0.902	0.848	0.894	0.887	0.928	0.927	0.926	0.925	0.921	0.932	0.883	0.905	0.866	0.913	0.893	0.905	0.918	0.925	0.933	0.914	0.925	1	0.92	0.933	0.926	0.917	0.923	
D7 -	0.905	0.945	0.931	0.939	0.944	0.942	0.916	0.931	0.912	0.954	0.911	0.947	0.958	0.954	0.942	0.938	0.961	0.887	0.944	0.878	0.958	0.953	0.955	0.959	0.959	0.965	0.963	1	0.925	0.96	0.967	0.969	0.967	0.956	
D6 -	0.936	0.95	0.928	0.945	0.948	0.941	0.913	0.937	0.912	0.951	0.888	0.943	0.955	0.954	0.939	0.928	0.959	0.87	0.942	0.856	0.962	0.956	0.962	0.963	0.968	0.96	1	0.963	0.914	0.957	0.967	0.967	0.967		
D5 -	0.93	0.941	0.929	0.944	0.947	0.948	0.923	0.938	0.901	0.943	0.908	0.954	0.961	0.957	0.949	0.942	0.965	0.895	0.942	0.882	0.955	0.946	0.951	0.958	0.961	1	0.96	0.965	0.933	0.956	0.968	0.965	0.961	0.96	
D4 -	0.93	0.936	0.928	0.94	0.944	0.953	0.923	0.944	0.893	0.943	0.887	0.953	0.96	0.962	0.949	0.937	0.963	0.876	0.939	0.854	0.957	0.944	0.953	0.961	1	0.981	0.968	0.959	0.925	0.958	0.969	0.965	0.957	0.973	
D3 -	0.96	0.958	0.944	0.951	0.965	0.955	0.928	0.947	0.925	0.95	0.921	0.957	0.958	0.95	0.953	0.939	0.97	0.891	0.963	0.876	0.958	0.963	0.972	1	0.961	0.958	0.963	0.959	0.918	0.963	0.965	0.965	0.923	0.958	
D2 -	0.953	0.961	0.943	0.95	0.961	0.94	0.911	0.935	0.928	0.951	0.911	0.945	0.945	0.941	0.933	0.919	0.919	0.956	0.87	0.947	0.871	0.957	0.973	1	0.972	0.953	0.951	0.962	0.955	0.957	0.954	0.956	0.961	0.949	
D1 -	0.945	0.962	0.938	0.941	0.953	0.922	0.893	0.924	0.935	0.953	0.902	0.933	0.936	0.932	0.917	0.904	0.945	0.853	0.939	0.859	0.953	1	0.973	0.963	0.944	0.946	0.956	0.953	0.893	0.949	0.947	0.951	0.96	0.939	
C22 -	0.937	0.95	0.921	0.938	0.948	0.931	0.903	0.923	0.906	0.943	0.901	0.943	0.951	0.947	0.938	0.926	0.955	0.877	0.94	0.869	1	0.953	0.957	0.958	0.957	0.955	0.962	0.958	0.913	0.954	0.966	0.961	0.961	0.956	
C21 -	0.869	0.863	0.866	0.864	0.883	0.872	0.863	0.838	0.828	0.841	0.934	0.885	0.872	0.855	0.884	0.892	0.885	0.935	0.871	1	0.869	0.859	0.871	0.876	0.854	0.882	0.856	0.878	0.866	0.867	0.878	0.871	0.884	0.843	
C20 -	0.957	0.949	0.922	0.937	0.961	0.941	0.923	0.935	0.917	0.931	0.916	0.947	0.951	0.932	0.954	0.945	0.961	0.895	1	0.871	0.94	0.939	0.947	0.963	0.939	0.942	0.942	0.944	0.905	0.95	0.958	0.953	0.947	0.941	
C19 -	0.884	0.869	0.872	0.883	0.893	0.907	0.897	0.865	0.831	0.851	0.929	0.906	0.902	0.879	0.929	0.931	0.911	1	0.895	0.935	0.877	0.853	0.87	0.891	0.876	0.892	0.87	0.887	0.883	0.882	0.902	0.893	0.888	0.872	
C18 -	0.949	0.95	0.937	0.952	0.962	0.966	0.946	0.951	0.913	0.944	0.92	0.967	0.97	0.962	0.972	0.962	0.96	1	0.911	0.961	0.885	0.955	0.945	0.956	0.97	0.965	0.959	0.961	0.932	0.96	0.972	0.968	0.962	0.964	
C17 -	0.92	0.914	0.91	0.926	0.936	0.948	0.947	0.927	0.882	0.914	0.92	0.957	0.963	0.943	0.966	1	0.962	0.931	0.945	0.892	0.926	0.904	0.919	0.939	0.937	0.942	0.928	0.938	0.921	0.935	0.955	0.948	0.937	0.935	
C16 -	0.938	0.931	0.916	0.938	0.952	0.959	0.94	0.938	0.89	0.921	0.918	0.963	0.962	0.947	1	0.966	0.972	0.929	0.954	0.888	0.938	0.917	0.933	0.953	0.94	0.949	0.939	0.942	0.925	0.947	0.964	0.955	0.942	0.95	
C15 -	0.922	0.927	0.918	0.934	0.937	0.947	0.926	0.938	0.891	0.94	0.886	0.953	0.963	1	0.947	0.943	0.962	0.879	0.932	0.855	0.947	0.932	0.941	0.95	0.962	0.957	0.954	0.926	0.954	0.963	0.956	0.95	0.962		
C14 -	0.934	0.937	0.923	0.94	0.949	0.953	0.936	0.942	0.904	0.942	0.905	0.951	1	0.963	0.962	0.963	0.963	0.97	0.902	0.951	0.872	0.951	0.936	0.945	0.958	0.946	0.961	0.955	0.959	0.927	0.958	0.97	0.963	0.955	0.958
C13 -	0.905	0.933	0.931	0.938	0.956	0.952	0.939	0.943	0.896	0.929	0.918	1	0.961	0.953	0.963	0.957	0.967	0.906	0.947	0.865	0.943	0.933	0.945	0.957	0.953	0.964	0.943	0.928	0.959	0.952	0.949	0.948			
C12 -	0.913	0.9	0.913	0.895	0.923	0.905	0.897	0.875	0.878	0.895	1	0.918	0.905	0.886	0.918	0.92	0.92	0.929	0.916	0.934	0.901	0.902	0.911	0.921	0.887	0.908	0.888	0.911	0.887	0.908	0.909	0.906	0.919	0.878	
C11 -	0.931	0.943	0.934	0.923	0.933	0.921	0.903	0.921	0.936	1	0.895	0.929	0.942	0.94	0.921	0.914	0.944	0.851	0.931	0.841	0.943	0.953	0.951	0.95	0.943	0.943	0.951	0.954	0.954	0.954	0.943				
C10 -	0.934	0.938	0.917	0.909	0.922	0.984	0.882	0.897	1	0.936	0.978	0.896	0.904	0.891	0.89	0.882	0.913	0.831	0.917	0.826	0.906	0.935	0.928	0.925	0.929	0.901	0.912	0.912	0.848	0.91	0.904	0.912	0.918	0.889	
C9 -	0.927	0.926	0.927	0.941	0.937	0.947	0.932	1	0.897	0.921	0.875	0.943	0.942	0.938	0.939	0.927	0.951	0.865	0.935	0.836	0.923	0.924	0.935	0.947	0.944	0.938	0.937	0.931	0.902	0.934	0.939	0.936	0.926	0.945	
C7 -	0.917	0.899	0.928	0.932	0.918	0.963	1	0.932	0.862	0.903	0.897	0.939	0.936	0.926	0.94	0.947	0.946	0.897	0.923	0.863	0.903	0.893	0.911	0.928	0.923	0.923	0.913	0.916	0.903	0.917	0.925	0.921	0.91	0.921	
C6 -	0.938	0.924	0.937	0.948	0.942	1	0.953	0.947	0.884	0.921	0.905	0.952	0.953	0.947	0.969	0.948	0.966	0.907	0.941	0.972	0.917	0.921	0.922	0.94	0.955	0.953	0.948	0.941	0.942	0.925	0.943	0.951	0.953	0.956	0.952
C5 -	0.958	0.958	0.934	0.945	1	0.942	0.918	0.937	0.922	0.933	0.923	0.956	0.949	0.937	0.962	0.936	0.962	0.893	0.948	0.948	0.953	0.961	0.965	0.944	0.947	0.948	0.944	0.941	0.95	0.955	0.95	0.951	0.942		
C4 -	0.943	0.945	0.937	1	0.945	0.948	0.932	0.941	0.909	0.923	0.895	0.938	0.94	0.934	0.935	0.926	0.952	0.883	0.937	0.865	0.936	0.941	0.95	0.951	0.94	0.944	0.945	0.939	0.905	0.935	0.943	0.944	0.937	0.939	
C3 -	0.934	0.928	1	0.937	0.932	0.937	0.928	0.927	0.917	0.934	0.913	0.931	0.923	0.918	0.919	0.91	0.937	0.872	0.922	0.865	0.921	0.936	0.943	0.944	0.928	0.929	0.931	0.894	0.929	0.923	0.929	0.931	0.922		
C2 -	0.96	1	0.926	0.945	0.958	0.934	0.958	0.917	0.927	0.934	0.943	0.9	0.933	0.937	0.927	0.931	0.914	0.95	0.869	0.949	0.863	0.95	0.962	0.961	0.958	0.936	0.941	0.95	0.945	0.89	0.941	0.946	0.95	0.951	0.932
C1 -	1	0.96	0.934	0.943	0.958	0.938	0.917	0.927	0.934	0.951	0.931	0.905	0.934	0.922	0.938	0.92	0.949	0.884	0.957	0.945	0.953	0.96	0.95	0.93	0.936	0.935	0.891	0.94	0.939	0.941	0.94	0.923			

C1 C2 C3 C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 D1 D2 D3 D4 D5 D6 D7 D8 D9 D10 D11 D12 D13

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