

Table 2 Comparative study of gene expression clusters and histopathological parameters

	Group I						Group II					
												
Histopathological parameters	L-01	L-02	E-10	E-04	E-06	E-12	E-03	E-02	E-08	E-05	E-07	E-11
Proliferation of synovial cells	3	1	1	2	2	2	1	1	2	2	1	1
	1.83 ± 0.75						1.33 ± 0.52					
Typical palisading	3	3	2	2	1	2	1	1	2	2	2	0
	2.17 ± 0.75						1.33 ± 0.82					
Non-foreign body type giant cells	2	3	2	1	1	2	1	3	1	0	2	0
	1.83 ± 0.75						1.17 ± 0.48					
Lymphoid cell infiltration	3	3	2	1	1	1	0	0	0	0	0	0
	1.83 ± 0.98*						0.00 ± 0.00					
Plasma cell infiltration	3	3	3	2	1	3	0	0	1	0	0	0
	2.50 ± 0.84*						0.17 ± 0.41					
Neo-vascularization	2	2	2	2	2	2	3	3	2	1	2	3
	2.00 ± 0.00						2.33 ± 0.82					
Mesenchymoid transformation	1	2	0	0	0	0	0	0	0	0	0	0
	0.50 ± 0.84						0.00 ± 0.00					
Fibrinoid necrosis	1	2	0	0	0	1	0	0	1	1	0	0
	0.67 ± 0.82						0.33 ± 0.52					
Total	18	19	12	10	8	13	6	8	9	6	7	4
	13.33 ± 4.37*						6.67 ± 1.75					

Values in the upper rows are the histological scores of samples for the parameters investigated.

Values in the lower rows are means ± standard deviation of groups for the parameters investigated.

*p < 0.01 compared with group II by Mann-Whitney U test.