

**Table 2 Gene mutations identified among patients with beta-thalassaemia syndrome (*n* = 300) in Pakistan by patient's ethnic group**

Mutation	Punjabi		Pathan		Sindhi		Baluchi		Urdu speaking		All	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
IVS-1-5 (G-C)	50	41.7	22	31.4	30	33.3	25	35.7	73	48.7	200	40.0
Fr-8/9 (+G)	30	25.0	21	30.0	20	22.2	9	12.9	20	13.3	100	20.0
Fr-41/42 (-TTCT)	15	12.5	14	20.0	15	16.7	11	15.7	20	13.3	75	15.0
IVS-1-1 (G-T)	6	5.0	2	2.9	8	8.9	8	11.4	11	7.3	35	7.0
Del 619	6	5.0	2	2.9	12	13.3	2	2.9	8	5.3	30	6.0
Cap+1 (A-C)	2	1.7	2	2.9	1	1.1	2	2.9	3	2.0	10	2.0
IVS-II-1 (G-A)	1	0.8	0	0.0	0	0.0	6	8.6	1	0.7	8	1.6
Cd 5 (-CT)	3	2.5	1	1.4	1	1.1	1	1.4	4	2.7	10	2.0
Cd 1 (G-A)	4	3.3	2	2.9	1	1.1	3	4.3	5	3.3	15	3.0
Cd 16 (-C)	1	0.8	2	2.9	1	1.1	1	1.4	2	1.3	7	1.4
Cd 30 (G-C)	2	1.7	2	2.9	1	1.1	2	2.9	3	2.0	10	2.0
Total	120	100.0	70	100.0	90	100.0	70	100.0	150	100.0	500	100.0