

Table 4 Distribution of vitamin D receptor (VDR) gene polymorphisms in patients with type 1 diabetes mellitus according to history of ketoacidosis and onset of diabetes

VDR polymorphism	With history of ketoacidosis (n = 39)		Without history of ketoacidosis (n = 30)		P-value	Acute onset (n = 50)		Chronic onset (n = 19)		P-value
	No.	%	No.	%		No.	%	No.	%	
<i>BsmI</i>										
bb	17	43.6	12	40.0	0.36	31	64.0	10	52.6	0.44
BB	6	15.4	8	26.7		5	10.0	5	26.3	
Bb	16	41.0	10	33.3		14	26.0	4	21.1	
<i>FokI</i>										
ff	2	5.1	5	16.7	0.04	2	4.0	2	10.6	0.48
FF	20	51.3	18	60.0		32	64.0	14	73.6	
Ff	17	43.6	7	23.3		16	32.0	3	15.8	
<i>Apal</i>										
aa	2	5.1	2	6.7	0.86	2	4.0	0	0.0	0.21
AA	6	15.4	6	20.0		4	8.0	5	26.3	
Aa	31	79.5	22	73.3		44	88.0	14	73.7	
<i>TaqI</i>										
tt	2	5.1	4	13.3	0.50	0	0.0	1	5.3	0.27
TT	20	51.3	12	40.0		35	70.0	13	68.4	
Tt	17	43.6	14	46.7		15	30.0	5	26.3	