

Total

a.

Number	Co-occurrence(/53) (Frequency) (%)	Occurrence of any target in subset(Frequency)	The gene(s) in subset		
1	37 (69.8)	37 (69.8)	RASSF1A		
2	20 (37.7)	42 (79.3)	RASSF1A	p73	
3	11 (20.8)	44 (83)	RASSF1A	p73	CDH1
3	11 (20.8)	43 (81.1)	RASSF1A	p73	OC76

Gender

b. Female

Number	Co-occurrence(/27) (Frequency) (%)	Occurrence of any target in subset(Frequency)	The gene(s) in subset		
1	21 (77.8)	21 (77.8)	RASSF1A		
2	13 (48.1)	23 (85.2)	RASSF1A	p73	
3	9 (33.3)	25 (92.6)	RASSF1A	p73	CDH1

c. Male

Number	Co-occurrence(/26) (Frequency) (%)	Occurrence of any target in subset(Frequency)	The gene(s) in subset		
1	16 (61.5)	16 (61.5)	RASSF1A		
2	10 (38.5)	17 (65.4)	RASSF1A	IRF7	
3	5 (19.2)	20 (76.9)	RASSF1A	IRF7	p73
3	5 (19.2)	20 (76.9)	RASSF1A	IRF7	MGMT
3	5 (19.2)	21 (80.8)	RASSF1A	p73	MGMT
3	5 (19.2)	18 (69.2)	RASSF1A	IRF7	MAGEA1
3	5 (19.2)	18 (69.2)	RASSF1A	IRF7	MT1A

Grade

d. Grade I

Number	Co-occurrence(/14) (Frequency) (%)	Occurrence of any target in subset(Frequency)	The gene(s) in subset		
1	10 (71.4)	10 (71.4)	RASSF1A		
2	6 (42.9)	11 (78.6)	RASSF1A	p73	
3	3 (21.4)	12 (85.7)	RASSF1A	p73	CDH1
3	3 (21.4)	11 (78.6)	RASSF1A	p73	MAGEA1
3	3 (21.4)	11 (78.6)	RASSF1A	CDH1	WT1
3	3 (21.4)	12 (85.7)	RASSF1A	p73	IRF7

e. Grade II

Number	Co-occurrence(/15) (Frequency) (%)	Occurrence of any target in subset(Frequency)	The gene(s) in subset		
1	12 (80.0)	12 (80.0)	RASSF1A		
2	5 (33.3)	13 (86.7)	RASSF1A	MGMT	
2	5 (33.3)	12 (80.0)	RASSF1A	IRF7	
3	3 (20.0)	14 (93.3)	RASSF1A	MGMT	p73
3	3 (20.0)	13 (86.7)	RASSF1A	p73	CDH1
3	3 (20.0)	13 (86.7)	RASSF1A	IRF7	MT1A

f. Grade III

Number	Co-occurrence(/12) (Frequency) (%)	Occurrence of any target in subset(Frequency)	The gene(s) in subset		
1	8 (66.7)	8 (66.7)	RASSF1A		
2	5 (41.7)	8 (66.7)	RASSF1A	CDH1	
3	4 (33.3)	9 (75.0)	RASSF1A	CDH1	MGMT

g. Grade IV

Number	Co-occurrence(/12) (Frequency) (%)	Occurrence of any target in subset(Frequency)	The gene(s) in subset		
1	7 (58.3)	7 (58.3)	RASSF1A		
1	7 (58.3)	7 (58.3)		p73	
2	6 (50.0)	8 (66.7)	RASSF1A	p73	
3	4 (33.3)	9 (75.0)	RASSF1A	p73	MGMT
3	4 (33.3)	9 (75.0)	RASSF1A	p73	OC76