Web Table I Genotype Phenotype Correlation in Cardio-facio-cutaneous Syndrome (CFC) and Noonan Syndrome – Like Disorder With Loose Anagen Hair (NSLAH)

Disease	*Mutation,*	*No.*	*Age, sex*	*Face, skin and hair*	*Cardiac*	*Cognition and development*
CFC(*n*=5)	*BRAF,* exon 6, c.770A>G, commonest, CFC-1	2	1 y, F	Coarse face, Curly hair bulbous nose tip	Pulmonary stenosis	Severe developmental delay, failure to thrive, feeding difficulty developmental
			5 y, M	Coarse face, curly hair, ichthyotic skin hypopigmented facial macules	Pulmonary, stenosis Septal hypertrophy	delay, failure to thrive
	BRAF, exon 15, c.1802A>T, CFC-1	1	2 y, M	Coarse face, curly hair,		Developmental delay, failure to thrive
	MAP2K1, Exon 3 . 389A>G, Pathogenic reported CFC-3	1	6 y, M	Coarse face, curly hair , hyperkeratosis Papilloma	Atrial septal defect	Developmental delay
	MAP2K2 Exon 6, c.619G>A, likely pathogenic CFC-4	1	13 y, M	Coarse face Hyperkeratosis Curly hair Squint operated		Developmental delay, behavioral abnormalities
NSLAH (*n=3*)	*SHOC2,* c.4A>G	3	3 y, 4 y and 5 y,	Coarse facies Ptosis, sparse slow growing hair, hyper-keratosis, Café au lait spots, Thick gums, Thrombotic stroke Chin hemangioma,	Atrial septal defect (*n*=2)	Mild developmental delay

Web Table II Mutation Spectrum of Noonan Syndrome (*N*=19)

Gene	*No. of cases*	*Mutation*	*ClinVarId, Accession date – (23.5.2020)*	*OMIM*
PTPN11 (*n*=11; 56%) ENST00000351677	3	Exon 3, c.218C>T	VCV000013334.6	NS-1(163950)
	1	Exon 3, c.179G>T	VCV000055797.2	
	1	Exon 2, c.124A>G	VCV000040482.3	
	1	Exon 8, c.923A>G	VCV000013327.8	
	1	Exon 8, c.922A>G	VCV000013326.12	
	2	Exon 12, c.1403C>T	VCV000013331.11	
	1	Exon 13, c.1510A>G	VCV000040562.15	
	1	Exon 13, c.1528C>G	VCV000040566.7	
SOS1(*n*=2; 11%) ENST00000426016	2 (one Turner mosaic)	Exon 16, c.2536G>A Exon 11, c.1654A>G	VCV000040706.6 VCV000012871.7	NS-4(610733)
RIT1 (*n*=2; 11%) ENST00000368323	2	Exon 4, c.221C>G Exon 5, c.321G>A	VCV000060506.8 VCV000190305.2	NS-8 (615355)
SOS2 (*n*=2; 11%) ENST00000216373	2	Exon 6, c.800T>A Exon 6, c.800T>G	VCV000209092.3 VCV000577079.2	NS-9(616559)
KRAS (*n*=1; 6%) ENST00000311936	1	Exon 2, c.13A>G	VCV000012596.3	NS-3(609942)
RAF1 (*n*=1; 6%) ENST00000251849	1	Exon 17, c.1837C>G	VCV000013960.5	NS-5(611553)