Table S3. Summary of SDHAF3 c.157T>C (p.Phe53Leu) variant analysis in Family S11

Family ID Individual ID	Tumor Details	Primary Germline Mutation	Somatic SDHB Mutation/Allele	Germline SDHAF3 c.157T>C	Somatic SDHAF3 c.157T>C/Allele
			Status	Status	Status
1	PC (18 years) (metastatic, 24 years)	SDHB (IVS3)	IVS3 + loss normal allele	c.157T>C (heterozygous)	c.157T>C + retention normal allele
2	PC (metastatic, 59 years)	SDHB (IVS3)	IVS3 + loss normal allele	c.157T>C (heterozygous)	na
3 4 5	PGL (30 years)	SDHB (IVS3)	nd	c.157T>C (heterozygous)	nd
	PGL (11 years)	SDHB (IVS3)	IVS3 + loss normal allele	WT	WT
	PGL (34 years)	SDHB (IVS3)	nd	WT	nd
6	No evidence of PC/PGL (66 years)	SDHB (IVS3)	nd	c.157T>C (heterozygous)	nd
7	No evidence of PC/PGL (22 years)	SDHB (IVS3)	nd	c.157T>C (heterozygous)	nd
8	No evidence of PC/PGL (62 years)	SDHB (IVS3)	nd	c.157T>C (heterozygous)	nd
9	No evidence of PC/PGL (57 years)	SDHB (IVS3)	nd	c.157T>C (heterozygous)	nd
10	No evidence of PC/PGL (35 years)	SDHB (IVS3)	nd	WT	nd
11	No evidence of PC/PGL (34 years)	SDHB (IVS3)	nd	WT	nd
12	No evidence of PC/PGL (29 years)	SDHB (IVS3)	nd	WT	nd
13	No evidence of PC/PGL (26 years)	SDHB (IVS3)	nd	WT	nd
14 15	No evidence of PC/PGL (23 years)	SDHB (IVS3)	nd	WT	nd
	No evidence of PC/PGL (66 years)	SDHB (IVS3)	nd	WT	nd
	1 2 3 4 5 6 7 8 9 10 11 12 13	1 PC (18 years) (metastatic, 24 years) 2 PC (metastatic, 59 years) 3 PGL (30 years) 4 PGL (11 years) 5 PGL (34 years) 6 No evidence of PC/PGL (66 years) 7 No evidence of PC/PGL (22 years) 8 No evidence of PC/PGL (62 years) 9 No evidence of PC/PGL (57 years) 10 No evidence of PC/PGL (35 years) 11 No evidence of PC/PGL (34 years) 12 No evidence of PC/PGL (29 years) 13 No evidence of PC/PGL (26 years) 14 No evidence of PC/PGL (26 years)	1 PC (18 years) (metastatic, 24 years) SDHB (IVS3) 2 PC (metastatic, 59 years) SDHB (IVS3) 3 PGL (30 years) SDHB (IVS3) 4 PGL (11 years) SDHB (IVS3) 5 PGL (34 years) SDHB (IVS3) 6 No evidence of PC/PGL (66 years) SDHB (IVS3) 7 No evidence of PC/PGL (22 years) SDHB (IVS3) 8 No evidence of PC/PGL (62 years) SDHB (IVS3) 9 No evidence of PC/PGL (57 years) SDHB (IVS3) 10 No evidence of PC/PGL (35 years) SDHB (IVS3) 11 No evidence of PC/PGL (34 years) SDHB (IVS3) 12 No evidence of PC/PGL (29 years) SDHB (IVS3) 13 No evidence of PC/PGL (26 years) SDHB (IVS3) 14 No evidence of PC/PGL (23 years) SDHB (IVS3)	1 PC (18 years) (metastatic, 24 years) SDHB (IVS3) IVS3 + loss normal allele 2 PC (metastatic, 59 years) SDHB (IVS3) IVS3 + loss normal allele 3 PGL (30 years) SDHB (IVS3) IVS3 + loss normal allele 5 PGL (11 years) SDHB (IVS3) IVS3 + loss normal allele 5 PGL (34 years) SDHB (IVS3) IVS3 + loss normal allele 6 No evidence of PC/PGL (66 years) SDHB (IVS3) nd 7 No evidence of PC/PGL (66 years) SDHB (IVS3) nd 8 No evidence of PC/PGL (62 years) SDHB (IVS3) nd 9 No evidence of PC/PGL (62 years) SDHB (IVS3) nd 10 No evidence of PC/PGL (35 years) SDHB (IVS3) nd 11 No evidence of PC/PGL (34 years) SDHB (IVS3) nd 12 No evidence of PC/PGL (29 years) SDHB (IVS3) nd 13 No evidence of PC/PGL (29 years) SDHB (IVS3) nd 14 No evidence of PC/PGL (26 years) SDHB (IVS3) nd 15 No evidence of PC/PGL (26 years) SDHB (IVS3) nd 16 No evidence of PC/PGL (29 years) SDHB (IVS3) nd 17 No evidence of PC/PGL (29 years) SDHB (IVS3) nd 18 No evidence of PC/PGL (29 years) SDHB (IVS3) nd	Individual IDTumor DetailsPrimary Germline MutationStatusStatus1PC (18 years) (metastatic, 24 years)SDHB (IVS3)IVS3 + loss normal allelec.157T>C (heterozygous)2PC (metastatic, 59 years)SDHB (IVS3)IVS3 + loss normal allelec.157T>C (heterozygous)3PGL (30 years)SDHB (IVS3)ndc.157T>C (heterozygous)4PGL (11 years)SDHB (IVS3)IVS3 + loss normal alleleWT5PGL (34 years)SDHB (IVS3)ndWT6No evidence of PC/PGL (66 years)SDHB (IVS3)ndc.157T>C (heterozygous)7No evidence of PC/PGL (22 years)SDHB (IVS3)ndc.157T>C (heterozygous)8No evidence of PC/PGL (62 years)SDHB (IVS3)ndc.157T>C (heterozygous)9No evidence of PC/PGL (57 years)SDHB (IVS3)ndc.157T>C (heterozygous)10No evidence of PC/PGL (35 years)SDHB (IVS3)ndWT11No evidence of PC/PGL (34 years)SDHB (IVS3)ndWT12No evidence of PC/PGL (29 years)SDHB (IVS3)ndWT13No evidence of PC/PGL (26 years)SDHB (IVS3)ndWT14No evidence of PC/PGL (23 years)SDHB (IVS3)ndWT

Abbreviations: IVS - intervening sequence; na - not able to amplify; nd - not done; PC - pheochromocytoma; PGL - paraganglioma (extra adrenal thoracic/abdominal); WT - wild-type