

Erratum to: Characterization and genotype-phenotype correlation of patients with Fanconi anemia in a multi-ethnic population

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Resequencing of one of the patients with *FANCD1* who was included in our manuscript (Table 4) July 2020 of *Haematologica*¹ revealed that he was not homozygous to the common variant in this gene, but rather compound heterozygous to the variants c.5946del (p.Ser1982Argfs*22) and c.7007G>C (p.Arg2336Pro).

This resulted in changes in the Results section (Genetics part, pages 1,829-1,831 in the original paper), that should now read:

Thirty-five different mutations were found, including 22 in *FANCA*, four in *FANCD1* and three each in *FANCC*, *FANCD1*, *FANCG* and *FANCI* (Table 4); 75 patients were homozygous for mutations in Fanconi genes, and 13 patients were compound heterozygous; 33 different combinations of mutations were found (Table 4); 20 novel mutations were detected in the cohort, as detailed in the *Online Supplementary Table S1*; seven of these were previously reported by our group.¹³⁻¹⁵ The type of mutation varied, as detailed in Table 4. Twenty-five patients had frameshift mutations, 19 patients had splice site mutations, 15 patients had deletions, 13 patients had nonsense mutations, nine patients had missense mutations and seven patients had a combination of mutation types.

Corrected Table 4. Genetics of Fanconi anemia in Israel.

#	Gene	Mutation 1	Mutation 2	Effect 1	Effect 2	Ethnicities
11	FANCA	c.2172-2173 insG (p. S725Vfs*69) ¹³	c.2172-2173 insG (p. S725Vfs*69) ¹³	frame shift	frame shift	Jewish Sephardic
8	FANCA	c.4261-2A>C (IVS43-2a>c) ¹⁴	c.4261-2A>C (IVS43-2a>c) ¹⁴	splice site	splice site	Arab Muslim Arab Christian
8	FANCA	c.3788-3790delTCT ²⁵	c.3788-3790delTCT ²⁵	frame shift	frame shift	Arab Druze Jewish Sephardic
5	FANCA	ex6-13 del ¹⁴	ex6-13 del ¹⁴	large deletion	large deletion	Arab Muslim
5	FANCA	ex21 del ^{26, 27}	ex21 del ^{26, 27}	large deletion	large deletion	Arab Muslim
3	FANCA	c.4069-4070insT [^]	c.4069-4070insT [^]	frame shift	frame shift	Arab Muslim
3	FANCA	p.Gln1128Ter ¹⁵	p.Gln1128T ¹⁵	nonsense	nonsense	Arab Muslim
2	FANCA	ex31-37del ¹⁵	4275delT (p.Asp1427Thr fsX6) ¹³	large deletion	deletion	Jewish Sephardic
2	FANCA	p.Pro1164Ser [^]	p.Pro1164Ser [^]	missense	missense	Arab Muslim
1	FANCA	c.2172-2173 insG (p. S725Vfs*69) ¹³	deletion exons 4-7 ⁸	frame shift	large deletion	Jewish mixed
1	FANCA	c.4275delT (p.Asp1427Thr fsX6) ¹³	c.2172-2173 insG (p. S725Vfs*69) ¹³	frame shift	frame shift	Jewish Sephardic
1	FANCA	c.4275delT (p.Asp1427Thr fsX6) ¹³	4275delT (p.Asp1427Thr fsX6) ¹³	frame shift	frame shift	Jewish Sephardic
1	FANCA	c.65G>A (p.Trp22Ter) ²⁵	c.65G>A (p.Trp22Ter) ²⁵	missense	missense	Jewish Ashkenazi
1	FANCA	c.65G>A (p.Trp22Ter) ²⁵	ex1-24del [^]	missense	large deletion	Jewish mixed
1	FANCA	c.891-893 delGCTG ¹³	c.2172-2173 insG (p. S725Vfs*69) ¹³	frame shift	frame shift	Jewish Sephardic
1	FANCA	c.2172-2173 insG (p. S725Vfs*69) ¹³	ex1,2,4,5del [^]	frame shift	large deletion	Jewish Sephardic
1	FANCA	c.891-893 delGCTG ¹³	c.65G>A (p.Trp22Ter) ²⁵	frame shift	nonsense	Jewish mixed
1	FANCA	ex15-21 del ²⁸	ex15-21 del ²⁸	large deletion	large deletion	Arab Muslim
1	FANCA	ex1-6 del ²⁹	ex1-6 del ²⁹	large deletion	large deletion	Arab Christian
1	FANCA	c.189+1G>A (IVS2+1 g>a) [^]	c.2778+2T>C (IVS28+2 T>C) [^]	splice site	splice site	Arab Muslim
1	FANCA	p.Arg880Ter ³⁰	p.Arg880Ter (30)	nonsense	nonsense	Jewish Ashkenazi
1	FANCA	c.3520-3522 delTGG ²⁵	c.1471-401_1626+395del [^]	deletion	large deletion	Jewish mixed
7	FANCC	c. 456+4a>t (IVS4+4 a>t) ⁵	c. 456+4a>t (IVS4+4 a>t) ⁵	splice site	splice site	Jewish Ashkenazi
2	FANCC	p. Gln3Ter [^]	p. Gln3Ter [^]	nonsense	nonsense	Arab Muslim
1	FANCC	c. 456+4a>t (IVS4+4 a>t) ⁵	del 97116249-97124749 ³¹	splice site	deletion	Jewish mixed
1	FANCD1	c.5946del (p.Ser1982Argfs*22) ²⁴	c.7007G>C (p.Arg2336Pro)	frame shift	missense	Jewish mixed
1	FANCD1	c.7579delG (p.V2527X) [^]	c.9693delA (p.S3231fs16*) [^]	nonsense	frame shift	Jewish Ethiopian
6	FANCG	c.1742C<G (p.Ser581Ter) [^]	c.1742C<G (p.Ser581Ter) [^]	nonsense	nonsense	Arab Muslim
4	FANCG	c.212T>C (p. Leu71Pro) ³²	c.212T>C (p. Leu71Pro) ³²	missense	missense	Arab Muslim
3	FANCG	c.510+3A>G (IVS4+3 A>G) [^]	c.510+3A>G (IVS4+3 A>G) [^]	splice site	splice site	Arab Muslim
1	FANCI	p.Arg251Cys ³³	p.Arg251Cys ³³	missense	missense	Arab Muslim
1	FANCI	p.Arg848His ³⁴	p.Arg848His ³⁴	missense	missense	Arab Muslim
1	FANCI	p.Gln376Ter [^]	p.Gln376Ter [^]	nonsense	nonsense	Arab Muslim
2	@ FANCC	c. 456+4a>t (IVS4+4 a>t) ⁵	Unknown	splice site	Unknown	Jewish mixed
4	@	Unknown	Unknown			

#: number of patients; ^: mutations not previously described; @: not included in the analyses; ^{ref}: reference number.

References

1. Steinberg-Shemer O, Goldberg TA, Yacobovich J, et al. Characterization and genotype-phenotype correlation of patients with Fanconi anemia in a multi-ethnic population *Haematologica* 2020;105(7):1825-1834.