Supplementary data:

Analysis of *MC1R* variants in Indian oculocutaneous albinism patients: highlighting the risk of skin cancer among albinos

Mainak Sengupta, Devroop Sarkar, Maitreyee Mondal, Swapan Samanta, Asim Sil and Kunal Ray

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Table 1. Sequences of primers used for PCR and sequencing.

MC1R_3F	5′-GACACCTGGAGGGGAAGAACTGT-3′
MC1R_5R	5′-GCACACACTTCCACCCAGAGACT-3′
MC1R_4F	5′-TGCACTCACCCATGTACTGCTTC-3′
MC1R_N1R	5′-GGCGCCCAGGAAGCAGAGGC-3′
MC1R_N2R	5′-TTGACAAACGGGGACCAGGG-3′

The first two primers have been used for PCR as well as sequencing where as the other three have been used for sequencing only.

Table 2. MC1R variants identified in Indian OCA patients.

	Variant		Reported status	No. of samples (H_e/H_o)	Remarks
	Nucleotide change	Amino acid change			
1	c.1-5G>A	NA	Novel	1/0	None detected in 25 control individuals
2	c.274G>A	p.Val92Met	rs2228479	2/0	Associated with both melanoma and nonmelanoma skin cancer
3	c.444C>T	p.Tyr148Tyr	Novel	1/0	None detected in 25 control individuals
4	c.451C>T	p.Arg151Cys	rs1805007	1/0	Loss of function variant; associated with both melanoma and nonmelanoma skin cancer
5	c.488G>A	p.Arg163Gln	rs885479	9/1	Associated with melanoma, nonmelanoma skin cancer, especially basal cell carcinoma
6	c.515G>T	p.Ser172Ile	Reported mutation	1/0	None detected in 25 control individuals
7	c.699G>A	p.Gln233Gln	rs146544450	2/0	Not expected to have any biological effect
8	c.942A>G	p.Thr314Thr	rs2228478	24/2	Not expected to have any biological effect

H_e, heterozygous, H_o, homozygous; MC1R cDNA positions and amino acid residues have been used in accordance to NM_002386.3 and NP_002377.4, respectively.