

Melanogenesis – 92 markers

Tissues and blood

In vitro cultures

Human

Other species

While the presence of eumelanin protects against the damaging effects of ultraviolet radiation, pheomelanin can generate a mutagenic environment and lead to melanocyte transformation. The proposed panel aims to enable a detailed analysis of melanogenesis.

ADCY1	CTNNB1	KITLG	TYR
ADCY2	DCT	KRAS	TYRP1
ADCY3	DVL1	LEF1	WNT1
ADCY4	DVL2	MAP2K1	WNT10A
ADCY5	DVL3	MAP2K2	WNT10B
ADCY6	EDN1	MAPK1	WNT11
ADCY7	EDNRB	MAPK3	WNT16
ASIP	EP300	MC1R	WNT2
CALM1	FZD1	NRAS	WNT2B
CALM2	FZD10	PLCB1	WNT3
CALM3	FZD2	PLCB2	WNT3A
CALML3	FZD3	PLCB3	WNT4
CALML5	FZD4	PLCB4	WNT5A
CALML6	FZD5	POMC	WNT5B
CAMK2A	FZD6	PRKACA	WNT6
CAMK2B	FZD7	PRKACB	WNT7A
CAMK2D	GNAI1	PRKACG	WNT7B
CAMK2G	GNAI2	PRKCA	
CREB1	GNAI3	PRKCB	
CREB3	GNAO1	PRKCG	
CREB3L1	GNAQ	PRKX	
CREB3L2	GNAS	RAF1	
CREB3L3	GSK3B	TCF7	
CREB3L4	HRAS	TCF7L1	
CREBBP	KIT	TCF7L2	