

Neogen® Chance Tables for Alpaca Tests 2023

Base Colours



	EE AA	Ee AA	EE Aa	Ee Aa	ee AA	ee Aa	EE aa	Ee aa	ee aa
EE AA	EE AA 100%	EE AA 50% Ee AA 50%	EE AA 50% EE Aa 50%	EE AA 25% Ee AA 25% EE Aa 25% Ee Aa 25%	Ee AA 100%	Ee AA 50% Ee Aa 50%	EE Aa 100%	EE Aa 50% Ee Aa 50%	Ee Aa 100%
Ee AA	EE AA 50% Ee AA 50%	EE AA 25% Ee AA 50% ee AA 25%	EE AA 25% Ee AA 25% EE Aa 25% Ee Aa 25%	EE AA 12.5% Ee AA 25% ee AA 12.5% EE Aa 12.5% Ee Aa 25% ee Aa 12.5%	Ee AA 50% ee AA 50%	Ee AA 25% ee AA 25% Ee Aa 25% ee Aa 25%	Ee Aa 50% EE Aa 50%	EE Aa 25% Ee Aa 50% ee Aa 25%	Ee Aa 50% ee Aa 50%
EE Aa	EE AA 50% EE Aa 50%	EE AA 50% Ee Aa 50%	EE AA 25% EE Aa 50% EE aa 25%	EE AA 12.5% EE Aa 25% EE aa 12.5% Ee AA 12.5% Ee Aa 25% Ee aa 12.5%	Ee AA 50% Ee Aa 50%	Ee AA 25% Ee Aa 50% Ee aa 25%	EE Aa 50% EE aa 50%	Ee Aa 25% Ee aa 25% EE Aa 25% EE aa 25%	Ee Aa 50% Ee aa 50%
Ee Aa	EE AA 25% Ee AA 25% EE Aa 25% Ee Aa 25%	EE AA 12.5% Ee AA 25% ee AA 12.5% EE Aa 12.5% Ee Aa 25% ee Aa 12.5%	EE AA 12.5% EE Aa 25% EE aa 12.5% Ee AA 12.5% Ee Aa 25% Ee aa 12.5%	EE AA 6.25% Ee AA 12.5% ee AA 6.25% EE Aa 12.5% Ee Aa 25% ee Aa 12.5% EE aa 6.25% Ee aa 12.5% ee aa 6.25%	Ee AA 25% ee AA 25% Ee Aa 25% ee Aa 25%	Ee AA 25% ee AA 25% Ee Aa 25% ee Aa 25%	EE Aa 25% EE aa 25% Ee Aa 25% Ee aa 25%	EE Aa 12.5% EE aa 12.5% Ee Aa 25% Ee aa 25% ee Aa 12.5% ee aa 12.5%	Ee Aa 25% Ee aa 25% ee Aa 25% ee aa 25%
ee AA	Ee AA 100%	Ee AA 50% ee AA 50%	Ee AA 50% Ee Aa 50%	Ee AA 25% ee AA 25% Ee Aa 25% ee Aa 25%	ee AA 100%	ee AA 50% ee Aa 50%	Ee Aa 100%	Ee Aa 50% ee Aa 50%	ee Aa 100%
ee Aa	Ee AA 50% Ee Aa 50%	Ee AA 25% ee AA 25% ee Aa 25% Ee Aa 25%	Ee AA 25% Ee Aa 50% Ee aa 25%	Ee AA 12.5% Ee Aa 25% Ee aa 12.5% ee AA 12.5% ee Aa 25% ee aa 12.5%	ee AA 50% ee Aa 50%	ee AA 25% ee Aa 50% ee aa 25%	Ee Aa 50% Ee aa 50%	Ee Aa 25% Ee aa 25% ee Aa 25% ee aa 25%	ee Aa 50% ee aa 50%
EE aa	EE Aa 100%	Ee Aa 50% EE Aa 50%	EE aa 50% EE Aa 50%	EE Aa 25% EE aa 25% Ee Aa 25% Ee aa 25%	Ee Aa 100%	Ee Aa 50% Ee aa 50%	EE aa 100%	EE aa 50% Ee aa 50%	Ee aa 100%
Ee aa	EE Aa 50% Ee Aa 50%	EE Aa 25% Ee Aa 50% ee Aa 25%	Ee Aa 25% Ee aa 25% EE Aa 25% EE aa 25%	EE Aa 12.5% EE aa 12.5% Ee Aa 25% Ee aa 25% ee AA 12.5% ee Aa 12.5% ee aa 12.5%	Ee Aa 50% ee Aa 50%	Ee Aa 25% Ee aa 25% ee Aa 25% ee aa 25%	EE aa 50% Ee aa 50%	EE aa 25% Ee aa 50% ee aa 25%	Ee aa 50% ee aa 50%
ee aa	Ee Aa 100%	Ee Aa 50% ee Aa 50%	Ee Aa 50% Ee aa 50%	Ee Aa 25% Ee aa 25% ee AA 25% ee Aa 25%	ee Aa 100%	ee Aa 50% ee aa 50%	Ee aa 100%	Ee aa 50% ee aa 50%	ee aa 100%

		Parent 1	
		Classic grey	Non-grey
Parent 2	Classic grey	Classic grey 50% Non-grey 25% Lethal 25%	Classic grey 50% Non-grey 50%
	Non-grey	Classic grey 50% Non-grey 50%	Non-grey 100%

Note: The colours of the alleles illustrate the possible real life colours in each MC1R & ASIP genotype.
Where A = all non-black ASIP/ Agouti phenotypes, i.e. white, fawn, bay or B&T.