



Southdown Genetics: Callipyge Mutation Answer Key

Example: Ram (clpg/CLPG) x Ewe (clpg/CLPG)

		
	clpg	CLPG
clpg	clpg/clpg	CLPG/clpg
	clpg/CLPG	CLPG/CLPG
CLPG		

25 % Callipyge

50 % Carry callipyge mutation but does not look callipyge

25 % Normal, do not carry the callipyge mutation

Mating	% Callipyge	% Carry callipyge mutation but do not look callipyge	% Normal, do not carry the callipyge mutation
CLPG/CLPG x CLPG/CLPG	0%	100%	0%
CLPG/CLPG x CLPG/clpg	50%	50%	0%
CLPG/CLPG x clpg/CLPG	50%	50%	0%
CLPG/CLPG x clpg/clpg	100%	0%	0%
CLPG/clpg x CLPG/CLPG	0%	100%	0%
CLPG/clpg x CLPG/clpg	50%	25%	25%
CLPG/clpg x clpg/CLPG	25%	50%	25%
CLPG/clpg x clpg/clpg	50%	0%	50%
clpg/CLPG x CLPG/CLPG	0%	100%	0%
clpg/CLPG x CLPG/clpg	25%	50%	25%
clpg/CLPG x clpg/CLPG	25%	50%	25%
clpg/CLPG x clpg/clpg	50%	0%	50%
clpg/clpg x CLPG/CLPG	0%	100%	0%
clpg/clpg x CLPG/clpg	0%	50%	50%
clpg/clpg x clpg/CLPG	0%	50%	50%
clpg/clpg x clpg/clpg	0%	0%	100%