

Question Number	Answer	Additional guidance	Mark
<b>3(a)(i)</b>	An answer that includes two of the following points: <ul style="list-style-type: none"> <li>many genes / genes at different loci (1)</li> <li>{contribute to / code for} the same {characteristic / trait} (1)</li> </ul>	ignore alleles unless correctly qualified Accept different positions on a chromosome	<b>(2)</b>

Question Number	Answer	Additional guidance	Mark
<b>3(a)(ii)</b>	The only correct answer is B <i>A is not correct because it does not show a normal distribution</i> <i>C is not correct because it does not show a normal distribution</i> <i>D is not correct because it does not show a normal distribution</i>		<b>(1)</b>

Question Number	Answer	Additional guidance	Mark
<b>3(b)(i)</b>	1.61(m)		<b>(1)</b>

Question Number	Answer	Additional guidance	Mark
<b>3(b)(ii)</b>	An explanation that includes three of the following points: <ul style="list-style-type: none"> <li>{height / phenotype / a characteristic} is also affected by the environment (1)</li> <li>{malnutrition / lack of nutrients} (1)</li> <li>example of another environmental factor (which would reduce energy available for growth) (1)</li> <li>height depends on the combination of alleles inherited (1)</li> </ul>	Accept named nutrient Accept (could be taller) due to more nutrients than her parents  e.g. disease, lives in very cold climate and more energy used for heat production, idea of excessive exercise, death of child, mutation Accept reverse argument (for child being taller)	<b>(3)</b>