

Topic:- DU_J18_PHD_GENETICS         1) Pairs of homologous chromosomes: [Question ID = 52759]         1. apparate in molosis II (Option ID = 9103]         2. we quest for the same characters at the same loci (Option ID = 91029)         3. are found in questions (in their genes) (Spicon ID = 91039)         Correct Answer :-         • have queste for the same characters at the same loci (Option ID = 91029)         2) Which of the following genotypes would produce the greatest variability of gametes if the alleles assorted independently? (Question ID = 52740)         1. A AB of C Dd (Option ID = 90054)         2. A with CC DD (Option ID = 90055)         3. A atta C C Dd (Option ID = 90055)         4. A ath C C Dd (Option ID = 90055)         3. A dia C C Dd (Option ID = 90055)         3. A dia C C Dd (Option ID = 90055)         3. A dia C C Dd (Option ID = 90055)         3. A dia C C Dd (Option ID = 90055)         3. A dia C C Dd (Option ID = 90055)         3. A circular DNA of 4.7 Mb (Mb=million base pairs) length is cut with a restriction enzyme whose precise recognition sequence is not honown. The digest shows -x75 fragments on a puised-field gut. What is the most likely conclusion from this data? [Question ID = 52273]         1. The enzyme is an 8-base cuttric (Option ID = 91081)         2. The enzyme is an 8-base cuttric (Option ID = 91081)         3. The enzyme is an 8-base cuttric (Option ID = 91087)         Correct Answer :-	DU PhD in Genetics
<ul> <li>i. separate in makes II (Option ID = 91031)</li> <li>2. new genera for the same characters at the same loc (Option ID = 91029)</li> <li>3. ne found in questes (Option ID = 91030)</li> <li>Correct Answer : <ul> <li>• have genera for the same characters at the same loc (Option ID = 91029)</li> </ul> </li> <li>2. Which of the following genotypes would produce the greatest variability of gametes if the alleles assorted independently? <ul> <li>[Question ID = 52740]</li> <li>1. At 8b C (Di (Option ID = 9055)]</li> <li>2. At 8b C (Di (Option ID = 9055)]</li> <li>3. At 8b C (Di (Option ID = 9055)]</li> </ul> </li> <li>3. At 8b C (Di (Option ID = 9055)]</li> <li>3. A 6b C (Di (Option ID = 9055)]</li> <li>3. A 6b C (Di (Option ID = 9055)]</li> <li>3. A 6b C (Di (Option ID = 9055)]</li> <li>3. A character : <ul> <li>• A 8b C (Di (Option ID = 9055)]</li> </ul> </li> <li>3. A character (Diption ID = 9055)]</li> <li>3. The mayme is an 8-base cutter (Option ID = 91086)]</li> <li>4. The way meta and the cutter (Option ID = 91086)]</li> <li>4. The way a partial digest. [Option ID = 91086]</li> <li>4. The mayme is an 8-base cutter. (Option ID = 91036)]</li> <li>4. The ensyme is an 8-base cutter. (Option ID = 91036)]</li> <li>4. The ensyme is an 8-base cutter. (Option ID = 91036)]</li> <li>5. Proceeding ensonance entery that the ensyme (PRET) (Option ID = 91036)]</li> <li>6. New the the hybrid assay (Option ID = 91037)]</li> <li>Correct Answer : <ul> <li>a. The ensyme is an 8-base cutter. (Option ID = 91036)]</li> <li>b. Newasting the protein kinases which are critical regulator</li></ul></li></ul>	Topic:- DU_J18_PHD_GENETICS
2. New genes for the same characters at the same loc (Option ID = 91029) 3. are found in quantes [Option ID = 91030] 4. New Identical DNA sequences in their genes [Option ID = 91029] 5. New dentical DNA sequences in their genes [Option ID = 91029] 5. New dentical DNA sequences in their genes [Option ID = 91029] 5. New dentical DNA sequences in their genes [Option ID = 91029] 5. New dentical DNA sequences in their genes [Option ID = 91029] 5. New dentical DNA sequences in their genes [Option ID = 91029] 5. New dentical DNA sequences in their genes [Option ID = 91029] 5. A deficit D = 52740] 5. A deficit D (Option ID = 90051] 5. A deficit D (Option ID = 90052) 5. A deficit D (Option ID = 90055) 5. A deficit D (Option ID = 90056) 5. A deficit D (Option ID = 90056) 5. A deficit D (Option ID = 91086) 5. A deficit D (Option ID = 91086) 5. A deficit D (Option ID = 91087) 6. A deficit D (Option ID = 91087) 6. A deficit D (Option ID = 91086) 6. A deficit D (Option ID = 91038) 6. A deficit D (Option ID = 91038) 6. A deficit D (Option ID = 91038) 7. A deficit	1) Pairs of homologous chromosomes: [Question ID = 52759]
• have genes for the same characters at the same los [Option ID = 91029] 2) Which of the following genotypes would produce the greatest variability of gametes if the alleles assorted independently? [Question ID = 52740] 1. A4 B5 Cc Dd [Option ID = 90951] 2. A8 B5 Cc Dd [Option ID = 90952] 4. A8 B5 Cc Dd [Option ID = 90955] 3) A circular DNA of 4.7 Mb (Mb=million base pairs) length is cut with a restriction enzyme whose precise recognition sequence is not known. The digest shows ~75 fragments on a pulsed-field gel. What is the most likely conclusion from this data? [Question ID = 52773] 1. The enzyme is an 8-base cutter. [Option ID = 91086] 2. The enzyme is an 8-base cutter. [Option ID = 91086] 3. The enzyme is an 8-base cutter. [Option ID = 91086] 4. Which of the following techniques CANNOT be utilized to demonstrate Protein:Protein interaction? [Question ID = 52761] 1. Yeast three hybrid assay [Option ID = 91038] 3. Versatting hybrid assay [Option ID = 91038] 3. Protein Adverse: • A versating and the option ID = 91038] 5. Options facilitate progression cell cycle by: [Question ID = 91036] 4. Arbitis the hybrid assay [Option ID = 91038] 5. Options facilitate progression cell cycle by: [Question ID = 52762] 1. Including synthesis of constitutively active forms of growth cell receptors tripper signalling cascades. [Option ID = 91043] 2. Activating the protein knases which are critical regulators of cell division. [Option ID = 91042] 3. Activating the protein knases which are critical regulators of cell division. [Option ID = 91042] 4. Thereasing the protein knases which are critical regulators of cell division. [Option ID = 91042] 3. Aronacting the protein knases which are critical regulators of cell division. [Option ID = 91042] 4. Aronacting the protein knases which are critical regulators of cell division. [Option ID = 91042] 3. Arona	<ol> <li>have genes for the same characters at the same loci [Option ID = 91029]</li> <li>are found in gametes [Option ID = 91030]</li> </ol>
Question ID = 52740]         1. AA Bb Cc Dd [Option ID = 90954]         2. As BB Cc Dd [Option ID = 90955]         3. Aa Bb Cc Dd [Option ID = 90955]         Correct Answer :- <ul> <li>• As Bb Cc Dd [Option ID = 90955]</li> </ul> 3. A circular DNA of 4.7 Mb (Mb=million base pairs) length is cut with a restriction enzyme whose precise recognition sequence is not known. The digest shows ~75 fragments on a pulsed-field gel. What is the most likely conclusion from this data? [Question ID = 52773]         1. The enzyme is an 8-base cutter. (Option ID = 91086]         2. The enzyme is an 8-base cutter. (Option ID = 91086]         3. The enzyme is an 8-base cutter. (Option ID = 91086]         2. The enzyme is an 8-base cutter. (Option ID = 91086]         2. The enzyme is an 8-base cutter. (Option ID = 91086]         2. The enzyme is an 8-base cutter. (Option ID = 91086]         2. The enzyme is an 8-base cutter. (Option ID = 91086]         2. The enzyme is an 8-base cutter. [Option ID = 91086]         3. A circular buy buy dassay (Option ID = 91038]         2. Yest three hybrid assay (Option ID = 91038]         3. A co-immunoprecipitation (Option ID = 91038]         3. Rorescence resonance encryme transfer (RET) (Option ID = 91036]         4. Co-immunoprecipitation (Option ID = 91038]         5. Options facilitate progression cell explores of row for the elivision. (Option ID = 91041]         Corect Answer :- <ul> <li>A</li></ul>	
<ul> <li>A a Bb Cc Dd [Option ID = 90955]</li> <li><b>3)</b> A circular DNA of 4.7 Mb (Mb=million base pairs) length is cut with a restriction enzyme whose precise recognition sequence is not known. The digest shows ~75 fragments on a pulsed-field gel. What is the most likely conclusion from this data? [Question ID = 52773]</li> <li>1. The enzyme is an 8-base cutter. [Option ID = 91086]</li> <li>2. The enzyme is a 4-base cutter. [Option ID = 91085]</li> <li>3. The enzyme is a 4-base cutter. [Option ID = 91086]</li> <li>Correct Answer :- <ul> <li>The enzyme is an 8-base cutter. [Option ID = 91086]</li> </ul> </li> <li><b>Correct Answer :-</b> <ul> <li>The enzyme is an 8-base cutter. [Option ID = 91086]</li> </ul> </li> <li><b>4)</b> Which of the following techniques CANNOT be utilized to demonstrate Protein:Protein Interaction? [Question ID = 52761]</li> <li>1. Yeast three hybrid assay [Option ID = 91038]</li> <li>2. Yeast two hybrid assay [Option ID = 91038]</li> <li>3. Forecance resonance energy transfer (FKET) [Option ID = 91036]</li> <li>4. Co-immunoprecipitation [Option ID = 91038]</li> </ul> <li><b>5)</b> Cyclins facilitate progression cell cycle by: [Question ID = 52762]</li> <li>1. Inducing synthesis of constitutively active forms of growth cell receptors to trigger signalling cascades. [Option ID = 91043]</li> <li>2. Activating the protein kinases which are critical regulators of cell division. [Option ID = 91042]</li> <li>4. Directly activating G proteins which in turn affects the protein kinases [Option ID = 91041]</li>	[Question ID = 52740] 1. AA Bb Cc Dd [Option ID = 90954] 2. Aa BB CC DD [Option ID = 90953] 3. Aa BB Cc Dd [Option ID = 90952]
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[Question ID = 52761]         1. Yeast three hybrid assay [Option ID = 91038]         2. Yeast two hybrid assay [Option ID = 91039]         3. Florescence resonance energy transfer (FRET) [Option ID = 91036]         4. Co-immunoprecipitation [Option ID = 91037]         Correct Answer :-         • Yeast three hybrid assay [Option ID = 91038]         5) Cyclins facilitate progression cell cycle by: [Question ID = 52762]         1. Inducing synthesis of constitutively active forms of growth cell receptors to trigger signalling cascades. [Option ID = 91043]         2. Activating the protein kinases which are critical regulators of cell division. [Option ID = 91040]         3. Increasing the production of DNA polymerases so cells can enter into G2 phase. [Option ID = 91042]         4. Directly activating G proteins which in turn affects the protein kinases [Option ID = 91041]         Correct Answer :-         • Activating the protein kinases which are critical regulators of cell division. [Option ID = 91042]	
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6) After mutagen treatment, a molecule of 2-aminopurine (an adenine analogue) incorporates into DNA. During replication the 2-AP	
protonates causing it to base-pair like guanine. The mutational event caused by this will be	



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2. AT to CG [Option ID = 91072] 3. GC to CG [Option ID = 91075] 4. GC to AT [Option ID = 91073]
Correct Answer :- • AT to GC [Option ID = 91074]
7) Autoradiography of pulse-labelled cells can identify sites of biosynthetic activity and product accumulation. Identify the molecule and site of accumulation when a 5min [ <sup>3</sup> H] uridine pulse followed by a 2-h chase in precursor-free media is given to the cells. [Question ID = 52775]
<ol> <li>signals will be in only the nucleus because labelled DNA is continuously synthesized and accumulated [Option ID = 91093]</li> <li>signals will be in the cytoplasm because labelled DNA is formed in the nucleus however accumulated in the cytoplasm over a longer period. [Option ID = 91095]</li> </ol>
<ol> <li>signals will be in the cytoplasm because labelled nuclear RNA is formed in the nucleus and then moves to the cytoplasm [Option ID = 91094]</li> <li>signals will be in both nucleus and cytoplasm because labelled nuclear RNA will be continuously formed over 2 hours [Option ID = 91092]</li> </ol>
Correct Answer :- <ul> <li>signals will be in the cytoplasm because labelled nuclear RNA is formed in the nucleus and then moves to the cytoplasm [Option ID = 91094]</li> </ul>
8) An individual with the genotype AaBbccddEe can make how many different types of gametes? [Question ID = 52769]
1. two [Option ID = 91068] 2. three [Option ID = 91069] 3. eight [Option ID = 91071] 4. four [Option ID = 91070]
Correct Answer :- <ul> <li>eight [Option ID = 91071]</li> </ul>
9) How do new alleles arise in a population? [Question ID = 52741]
<ol> <li>Sexual reproduction [Option ID = 90956]</li> <li>Meiosis [Option ID = 90958]</li> <li>Chromosomal aberrations [Option ID = 90959]</li> <li>Mutations of pre-existing alleles [Option ID = 90957]</li> </ol>
Correct Answer :- • Mutations of pre-existing alleles [Option ID = 90957]
10) How many linkage groups will be present in the human beings? [Question ID = 52764]
1. 24 [Option ID = 91049] 2. 48 [Option ID = 91051] 3. 23 [Option ID = 91048] 4. 46 [Option ID = 91050]
Correct Answer :- • 24 [Option ID = 91049]
11) Depending on the criteria such as quality and content of information, reproducibility and speed of different DNA marker systems, identify the most suitable arrangement in the descending order: [Question ID = 52754]
1. AFLP – SSR – RFLP - RAPD [Option ID = 91008] 2. SSR – RFLP – AFLP - RAPD [Option ID = 91010] 3. RFLP – AFLP – SSR - RAPD [Option ID = 91009] 4. RAPD – SSR – RFLP – AFLP [Option ID = 91011]
Correct Answer :- • SSR – RFLP – AFLP - RAPD [Option ID = 91010]
12) The unusual property of Taq polymerase that is critical to the PCR is its [Question ID = 52778]
<ol> <li>ability to use RNA as a template [Option ID = 91107]</li> <li>ability to use dNTPs as substrate [Option ID = 91104]</li> <li>ability to synthesize DNA in the 3' to 5' direction [Option ID = 91106]</li> <li>thermostability [Option ID = 91105]</li> </ol>
Correct Answer :-

#### • thermostability [Option ID = 91105]

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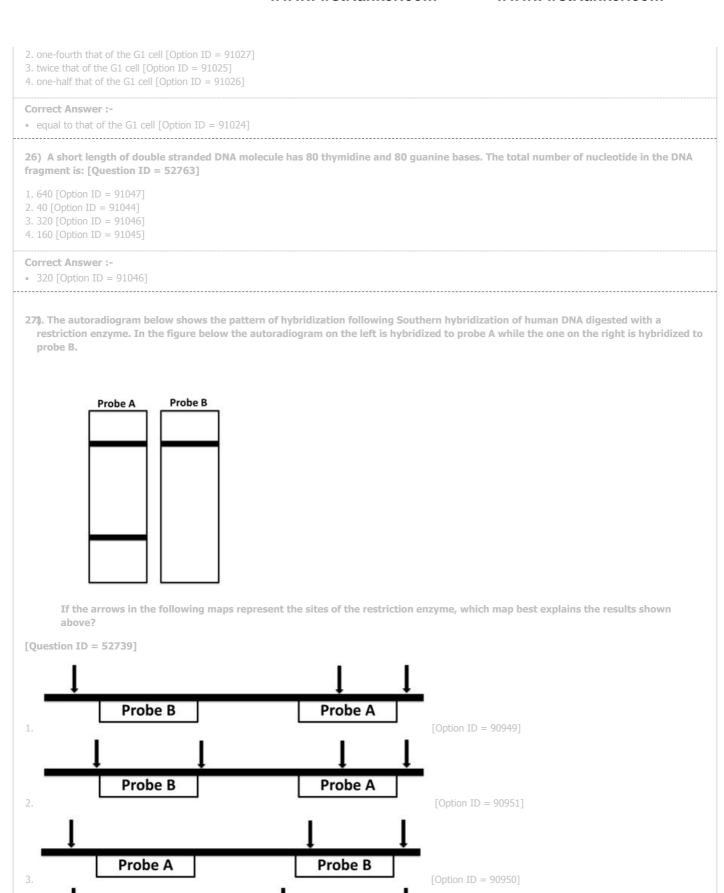
<ul> <li>13) Access of transcription factors to DNA is usually influenced by: [Question ID = 52782]</li> <li>1. piopophyticin of thoses in the exchange II (Quitor, ID = 9112)]</li> <li>2. exchates of Advances is the exchange II (Quitor, ID = 9112)]</li> <li>3. exchates of Advances is the exchange II (Quitor, ID = 9112)]</li> <li>4. exchates of Advances is the exchange II (Quitor, ID = 9112)]</li> <li>4. exchates of Advances is the exchange II (Quitor, ID = 9112)]</li> <li>4. exchates of Advances is the exchange II (Quitor, ID = 9112)]</li> <li>4. Physical exchange II (Quitor, ID = 9112)]</li> <li>4. Physical exchange II (Quitor, ID = 9112)]</li> <li>4. Physical exchange II (Quitor, ID = 9112)]</li> <li>4. Advances in the exchange II (Quitor, ID = 9112)]</li> <li>5. Strue for consideration (Quitor, ID = 9100)]</li> <li>6. Advances in the second on (Quitor, ID = 9100)]</li> <li>7. Strue for consideration (Quitor, ID = 9100)]</li> <li>6. Advances in the second on (Quitor, ID = 9100)]</li> <li>7. Strue for consideration (Putor, ID = 9100)]</li> <li>7. Strue for con</li></ul>	
<ul> <li>2. Property of the stores in the exchromatin (Option ID = 91120)</li> <li>3. extylation of DMA. In the exchromatin (Option ID = 91120)</li> <li>4. exclydation of DMA. In the exchromatin (Option ID = 91120)</li> <li>4. exclydation of Maximes in the exchromatin (Option ID = 91120)</li> <li>4. An exclusion of Induces in the exchromatin (Option ID = 91120)</li> <li>4. An exclusion of Induces in the exchromatin (Option ID = 91120)</li> <li>4. An exclusion of Induces in the exchromatin (Option ID = 91120)</li> <li>4. An exclusion of Induces in the exchromatin (Option ID = 91120)</li> <li>4. An exclusion of Induces in the exchromatin (Option ID = 91020)</li> <li>5. Cerrect Answer :-</li> <li>5. Screen for excontingence (Option ID = 91001)</li> <li>5. Screen for excontingence (Option ID = 91001)</li> <li>5. Screen for excontingence (Option ID = 91001)</li> <li>4. An exclusion of the store of three proteins having molecular veights 4060a, 15040a and 25040a respectively. You separate them on a size exclusion column packed in such a manner that proteins greater than 20040a alute in the void volume. What below best describes the elution order of the three proteins flowed by 2500a (Option ID = 9100)</li> <li>4. Alota and 15040a tin having molecular veights 4060a, 15040a and 25040a respectively. You separate them on a size exclusion order of the three proteins flowed by 2500a (Option ID = 91007)</li> <li>2. 2500a followed by 1500a followed by 2500a (Option ID = 91005)</li> <li>4. Alota and 1500a followed by 2500a (Option ID = 91005)</li> <li>4. Scolar followed by 1500a followed by 400a (Option ID = 91005)</li> <li>4. Scolar followed by 1500a followed by 400a (Option ID = 91005)</li> <li>4. Scolar followed by 1500a followed by 400a (Option ID = 91005)</li> <li>4. Scolar followed by 1500a followed by 400a (Option ID = 91005)</li> <li>4. Scolar followed by 1500a followed by 400a (Option ID = 91005)</li> <li>4. Scolar followed by 1500a followed by 400a (Option ID = 91005)</li> <li>4. Scolar followed by 1500a followed by</li></ul>	13) Access of transcription factors to DNA is usually influenced by: [Question ID = 52782]
<ul> <li>ceckylation of histones in the eachromatin (Option ID = 91120)</li> <li>14) Plasmid vectors used in cloning often contain a gene for the N-terminal 146 amino acids of the enzyme β-galactosidase. What is the purpose of including this gene in the vector? [Question ID = 52776]</li> <li>1. Allow plasmid regization (Option ID = 91093)</li> <li>2. Screen F recombinant vectors with inserts (Option ID = 91090)</li> <li>4. Bow resistant transformation to grow in the selective medium (Option ID = 91099)</li> <li>Correct Answer : <ul> <li>b. Screen F recombinant vectors with inserts (Option ID = 91090)</li> </ul> </li> <li>15) You have a mixture of three proteins having molecular weights 40kDa, 150kDa and 250kDa respectively. You separate them on a size exclusion oclum packed in such a manner that proteins grave than 200kDa elute in the vold volume. What below best describes the elution order of the three proteins flowing (Option ID = 91091)</li> <li>2. 400an d150xBb in the same fraction followed to 252751</li> <li>3. 400an followed by 150kDa followed by 40kDa (Option ID = 91005)</li> <li>Correct Answer : <ul> <li>c. 250kDa followed by 40kDa (Option ID = 91005)</li> </ul> </li> <li>16) Occasionally. <i>Drosophila</i> files are born with curty wings. A genetics professor takes several of these unusual files and crosses them to one anather with the following result: \$32 curty wings, 266 normal wings. The mutation that causes curty wings is probably: [Question ID = 91065]</li> <li>10. Coccasionally. <i>Drosophila</i> files are born with curty wings. A genetics professor takes several of these unusual files and crosses them to one anather with the following result: \$32 curty wings, 266 normal wings. The mutation that causes curty wings is probably: [Question ID = 91065]</li> <li>10. Coccasionally. <i>Drosophila</i> files are born with curty wings. A genetics professor takes several of these unusual files and crosses them to one anather with the following result: \$32 curty wings (Question ID = 91065]</li> <li>10. Coccasionally. <i>Dro</i></li></ul>	<ol> <li>phosphorylation of histones in the euchromatin [Option ID = 91121]</li> <li>acetylation of histones in the euchromatin [Option ID = 91120]</li> </ol>
purpose of including this gene in the vector? [Question ID = 52774]           1. Allow plasmid conjugation [Option ID = 91081]           2. Allow plasmid conjugation [Option ID = 91080]           4. Allow relation to the subscheme making [Option ID = 91090]           4. Allow relation transformation to yoon in the subscheme making [Option ID = 91090]           4. Allow relation transformation to yoon in the subscheme making [Option ID = 91090]           15) You have a mixture of three proteins having molecular weights 40k0a, 150kDa and 250kDa respectively. You separate them on a size exclusion column packed in such a manner that proteins greater than 200kDa leute in the void volume. What below best describes the elution order of the three arctition followed by 250Da [Option ID = 91005]           1. 400a 50lbba weights yob 150bb [Option ID = 91005]           2. 406bba and 150kDa followed by 250Da [Option ID = 91005]           3. 550kba followed by 150kba followed by 250Da [Option ID = 91005]           Correct Answer :-           3. 550kba followed by 150kba followed by 250bba [Option ID = 91005]           16) Occasionally. <i>Drosophila</i> files are born with curly wings. A genetics professor takes several of these unusual files and crosses them to one another with the following result: 532 curly wings. A genetics professor takes several of these unusual files and crosses them to one another with the following result: 532 curly wings. A genetics professor takes several of these unusual files are born prosend to plate the monopopus state [Option ID = 91065]           1. excesse and lethal in the homoropopus state [Option ID = 91065]	
<ul> <li>2. Along plasmid replication (Dpion ID = 91080)]</li> <li>3. Screen for recombinant vectors with inserts [Option ID = 91090]</li> <li>4. Alor resistant transformants to grow in the selective medium (Option ID = 91089)</li> <li>Correct Answer : <ul> <li>c. Screen for recombinant vectors with inserts [Option ID = 91090]</li> </ul> </li> <li>15) You have a mixture of three problems having molecular weights 40kDa, 150kDa and 250kDa respectively. You separate them on a size exclusion column packed in such a manner that proteins greater than 200kDa elute in the void volume. What below best describes the elution order of the three proteins? [Question ID = 92753]</li> <li>1. 40kDa followed by 150kDa (Dolewed by 250kDa (Option ID - 91007)</li> <li>2. 350kDa followed by 150kDa (Dolewed by 250kDa (Option ID - 91007)</li> <li>2. 350kDa followed by 150kDa (Dolewed by 250kDa (Option ID - 91005)</li> </ul> Correct Answer : <ul> <li>2. 350kDa followed by 150kDa (Dolewed by 250kDa (Option ID - 91005)</li> </ul> Correct Answer : <ul> <li>2. 350kDa followed by 150kDa (Dolewed by 40kDa (Option ID - 91005)</li> </ul> Correct Answer : <ul> <li>2. 350kDa followed by 150kDa (Dolewed by 40kDa (Option ID - 91005)</li> </ul> Correct Answer : <ul> <li>2. 350kDa followed by 150kDa (Dolewed D = 91065)</li> </ul> 2. Correct Answer : <ul> <li>4. dominant and lethal in the homozyous state (Option ID = 91065)</li> </ul> 2. Oracle Answer : <ul> <li>4. dominant and lethal in the homozyous state (Option ID = 91007)</li> </ul> Correct Answer : <ul> <li>4. dominant and lethal in the homozyous state (Option ID = 91007)</li> </ul> Correct Answer : <ul> <li>6. dominant and lethal in the homozyous state (Option ID = 91005)</li> </ul> 2. Berokon (Option ID = 91109] 3. Berokon (Option ID = 91109	
Screen for recombinant vectors with inserts [Option ID = 91090]     Sorean for recombinant vectors with inserts [Option ID = 91090]     Sorean for recombinant vectors with inserts [Option ID = 91090]     Job have a mixture of three proteins having molecular weights 40kDa, 150kDa and 250kDa respectively. You separate them on a size exclusion column packed in such a manner that proteins greater than 200kDa elute in the void volume. What below best describes the elution order of the three proteode by 150kDa followed by 250kDa [Option ID = 91007]     Job at followed by 150kDa followed by 450kDa [Option ID = 91005]     Correct Answer :-         -	<ol> <li>Allow plasmid replication [Option ID = 91088]</li> <li>Screen for recombinant vectors with inserts [Option ID = 91090]</li> </ol>
exclusion column packed in such a manner that proteins greater than 200kDa elute in the void volume. What below best describes the elution order of the three proteins? [Question ID = 52753]         1. 40kDa followed by 150kDa followed by 250kDa [Option ID = 91007]         2. 30kDa followed by 150kDa followed by 250kDa [Option ID = 91007]         3. 200kDa followed by 150kDa followed by 40kDa [Option ID = 91005]         Correct Answer :-         • 250kDa followed by 150kDa followed by 40kDa [Option ID = 91005]         Correct Answer :-         • 250kDa followed by 150kDa followed by 40kDa [Option ID = 91005]         Correct Answer :-         • 250kDa followed by 150kDa followed by 40kDa [Option ID = 91005]         (Question ID = 52768]         Increasive and tethal in the homozygous state [Option ID = 91067]         Correct Answer :-         • dominant and ethal in the homozygous state [Option ID = 91067]         Correct Answer :-         • dominant and lethal in the homozygous state [Option ID = 91066]         10 Receptors of this ligand are NOT present on plasma membrane: [Question ID = 52779]         1. Insatuli. [Option ID = 91109]       . Serotoin, [Option ID = 91	
2. 40Loba and 150KDa in the same fraction followed by 250KDa [Option ID = 91007] 3. 250KDa followed by 40KDa [Option ID = 91005] Correct Answer :- 4. 250KDa followed by 155KDa followed by 40KDa [Option ID = 91005] (1) Occasionally, Drosophila files are born with curly wings. A genetics professor takes several of these unusual files and crosses them to one another with the following result: 532 curly wings, 266 normal wings. The mutation that causes curly wings is probably : [Question ID = 52768] (2) eccasiona desmi-iteratin in the homozygous state [Option ID = 91065] (3) dominant and semi-iteratin in the homozygous state [Option ID = 91065] (4) dominant and semi-iteratin in the homozygous state [Option ID = 91065] (5) eccreative and semi-iteratin in the homozygous state [Option ID = 91065] (4) dominant and semi-iteratin in the homozygous state [Option ID = 91065] (5) eccreative and semi-iteratin in the homozygous state [Option ID = 91066] (4) dominant and semi-iteratin in the homozygous state [Option ID = 91066] (5) eccreative and semi-iteratin in the homozygous state [Option ID = 91066] (5) eccreative and ternal in the homozygous state [Option ID = 91066] (6) eccreative and ternal in the homozygous state [Option ID = 91066] (5) eccreative and ternal in the homozygous state [Option ID = 91066] (6) eccreative and ternal in the homozygous state [Option ID = 91066] (7) Receptors of this ligand are NOT present on plasma membrane: [Question ID = 52779] (1) Insulin, [Option ID = 91110] (2) Scorothin, [Option ID = 91109] (2) eccreative and ternal in the homozygous state [Option ID = 91067] (2) eccreative and ternal in the homozygous state [Option ID = 91067] (2) eccreative and ternal in the homozygous state [Option ID = 91067] (3) Receptors of this ligand are NOT present on plasma membrane: [Question ID = 52779] (4) Insulin, [Option ID = 91101] (5) eccreative Answer :- (6) eccreative Answer :- (7) eccreative Answer :- (7) eccreative Answer :- (8) eccleation the aleles of the two genes and random fusion of the gametes	exclusion column packed in such a manner that proteins greater than 200kDa elute in the void volume. What below best describes the
<ul> <li>250kDa followed by 150kDa followed by 40kDa [Option ID = 91005]</li> <li>(a) Occasionally, <i>Drosophila</i> files are born with curry wings. A genetics professor takes several of these unusual files and crosses them to one another with the following result: 532 curry wings, 266 normal wings. The mutation that causes curry wings is probably : </li> <li>[Question ID = 52768] <ul> <li>recessive and lethal in the homozygous state [Option ID = 91065]</li> <li>dominant and lethal in the homozygous state [Option ID = 91066]</li> <li>dominant and semi-lethal in the homozygous state [Option ID = 91067]</li> </ul> </li> <li>Correct Answer :- <ul> <li>dominant and lethal in the homozygous state [Option ID = 91066]</li> </ul> </li> <li>17) Receptors of this ligand are NOT present on plasma membrane: [Question ID = 52779] <ul> <li>Insulin. [Option ID = 91110]</li> <li>Seroid hormones. [Option ID = 91109]</li> </ul> </li> <li>Seroid hormones. [Option ID = 91109]</li> </ul> <li>19) In sexually reproducing organism, association of alleles of different genes leads to gamete formation and subsequent fusion of gametes leads to fertilization. Hence the state of linkage disequilibrium between a pair of genes is due to: <ul> <li>[Question ID = 52756]</li> </ul> </li> <li>Anom association of the alleles of the two genes and random fusion of the gametes [Option ID = 91019]</li> <li>Anor-random association of the alleles of the two genes and random fusion of the gametes [Option ID = 91017]</li> <li>Anor-random association of the alleles of the two genes and random fusion of the gametes [Option ID = 91017]</li>	<ol> <li>2. 40kDa and 150kDa in the same fraction followed by 250kDa [Option ID = 91007]</li> <li>3. 250kDa followed by 40kDa followed by 150kDa [Option ID = 91006]</li> </ol>
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<ul> <li>4. dominant and semi-lethal in the homozygous state [Option ID = 91067]</li> <li>Correct Answer :- <ul> <li>dominant and lethal in the homozygous state [Option ID = 91066]</li> </ul> </li> <li>17) Receptors of this ligand are NOT present on plasma membrane: [Question ID = 52779] <ul> <li>I. Insulin. [Option ID = 91111]</li> <li>Serotanin. [Option ID = 91110]</li> <li>Steroid hormones. [Option ID = 91109]</li> </ul> </li> <li>Correct Answer :- <ul> <li>Steroid hormones. [Option ID = 91109]</li> </ul> </li> <li>18) In sexually reproducing organism, association of alleles of different genes leads to gamete formation and subsequent fusion of gametes leads to fertilization. Hence the state of linkage disequilibrium between a pair of genes is due to: <ul> <li>[Question ID = 52756]</li> <li>Random association of the alleles of the two genes and random fusion of the gametes [Option ID = 91019]</li> <li>Random association of the alleles of the two genes and random fusion of the gametes [Option ID = 91017]</li> <li>Non-random association of alleles of the two genes and random fusion of the gametes [Option ID = 91017]</li> <li>Non-random association of the alleles of the two genes and random fusion of the gametes [Option ID = 91017]</li> <li>Non-random association of the alleles of the two genes and random fusion of the gametes [Option ID = 91017]</li> <li>Non-random association of the alleles of the two genes and random fusion of the gametes [Option ID = 91017]</li> <li>Non-random association of the alleles of the two genes and random fusion of the gametes [Option ID = 91017]</li> <li>Non-random association of the alleles of the two genes and random fusion of the gametes [Option ID = 91017]</li> <li>Non-random association of the alleles of the two genes and random fusion of the gametes [Option ID = 91017]</li> </ul> </li> </ul>	<ul> <li>one another with the following result: 532 curly wings, 266 normal wings. The mutation that causes curly wings is probably :</li> <li>[Question ID = 52768]</li> <li>1. recessive and lethal in the homozygous state [Option ID = 91064]</li> <li>2. recessive and semi-lethal in the homozygous state [Option ID = 91065]</li> </ul>
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<ol> <li>Insulin. [Option ID = 91111]</li> <li>Serotonin. [Option ID = 91110]</li> <li>Steroid hormones. [Option ID = 91109]</li> <li>Peptide. [Option ID = 91108]</li> </ol> Correct Answer :- <ul> <li>Steroid hormones. [Option ID = 91109]</li> </ul> 18) In sexually reproducing organism, association of alleles of different genes leads to gamete formation and subsequent fusion of gametes leads to fertilization. Hence the state of linkage disequilibrium between a pair of genes is due to: [Question ID = 52756] <ol> <li>Random association of the alleles of the two genes and random fusion of the gametes [Option ID = 91018]</li> <li>Non-random association of the alleles of the two genes and random fusion of the gametes [Option ID = 91017]</li> <li>Non-random association of alleles of the two genes and non-random fusion of the gametes [Option ID = 91017]</li> <li>Non-random association of the alleles of the two genes and random fusion of the gametes [Option ID = 91017]</li> <li>Non-random association of the two genes and random fusion of the gametes [Option ID = 91017]</li> <li>Non-random association of the two genes and random fusion of the gametes [Option ID = 91017]</li> </ol>	
<ul> <li>2. Serotonin. [Option ID = 9110]</li> <li>3. Steroid hormones. [Option ID = 91109]</li> <li>4. Peptide. [Option ID = 91108]</li> <li>Correct Answer :- <ul> <li>Steroid hormones. [Option ID = 91109]</li> </ul> </li> <li>18) In sexually reproducing organism, association of alleles of different genes leads to gamete formation and subsequent fusion of gametes leads to fertilization. Hence the state of linkage disequilibrium between a pair of genes is due to: <ul> <li>[Question ID = 52756]</li> </ul> </li> <li>1. Random association of the alleles of the two genes and random fusion of the gametes [Option ID = 91019]</li> <li>2. Random association of the alleles of the two genes and random fusion of the gametes [Option ID = 91018]</li> <li>3. Non-random association of alleles of the two genes and non-random fusion of the gametes [Option ID = 91017]</li> <li>4. Non-random association of alleles of the two genes and non-random fusion of the gametes [Option ID = 91017]</li> <li>4. Non-random association of the alleles of the two genes and non-random fusion of the gametes [Option ID = 91017]</li> <li>4. Non-random association of the alleles of the two genes and random fusion of the gametes [Option ID = 91017]</li> <li>4. Non-random association of the alleles of the two genes and random fusion of the gametes [Option ID = 91017]</li> </ul>	17) Receptors of this ligand are NOT present on plasma membrane: [Question ID = 52779]
<ul> <li>Steroid hormones. [Option ID = 91109]</li> <li>18) In sexually reproducing organism, association of alleles of different genes leads to gamete formation and subsequent fusion of gametes leads to fertilization. Hence the state of linkage disequilibrium between a pair of genes is due to:         <ul> <li>[Question ID = 52756]</li> <li>1. Random association of the alleles of the two genes and random fusion of the gametes [Option ID = 91019]</li> <li>2. Random association of the alleles of the two genes and non-random fusion of the gametes [Option ID = 91018]</li> <li>3. Non-random association of the alleles of the two genes and random fusion of the gametes [Option ID = 91017]</li> <li>4. Non-random association of alleles of the two genes and non-random fusion of the gametes [Option ID = 91017]</li> <li>4. Non-random association of alleles of the two genes and non-random fusion of the gametes [Option ID = 91017]</li> <li>4. Non-random association of alleles of the two genes and non-random fusion of the gametes [Option ID = 91017]</li> </ul> </li> <li>Mon-random association of alleles of the two genes and random fusion of the gametes [Option ID = 91017]</li> </ul>	<ol> <li>Serotonin. [Option ID = 91110]</li> <li>Steroid hormones. [Option ID = 91109]</li> </ol>
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<ol> <li>Random association of the alleles of the two genes and random fusion of the gametes [Option ID = 91019]</li> <li>Random association of the alleles of the two genes and non-random fusion of the gametes [Option ID = 91018]</li> <li>Non-random association of the alleles of the two genes and random fusion of the gametes [Option ID = 91017]</li> <li>Non-random association of alleles of the two genes and non-random fusion of the gametes [Option ID = 91017]</li> <li>Non-random association of alleles of the two genes and non-random fusion of the gametes [Option ID = 91016]</li> </ol> <b>Correct Answer :-</b> <ul> <li>Non-random association of the alleles of the two genes and random fusion of the gametes [Option ID = 91017]</li> </ul>	
<ul> <li>2. Random association of the alleles of the two genes and non-random fusion of the gametes [Option ID = 91018]</li> <li>3. Non-random association of the alleles of the two genes and random fusion of the gametes [Option ID = 91017]</li> <li>4. Non-random association of alleles of the two genes and non-random fusion of the gametes [Option ID = 91016]</li> </ul> <b>Correct Answer :-</b> <ul> <li>Non-random association of the alleles of the two genes and random fusion of the gametes [Option ID = 91017]</li> </ul>	[Question ID = 52756]
• Non-random association of the alleles of the two genes and random fusion of the gametes [Option ID = 91017]	<ol> <li>Random association of the alleles of the two genes and non-random fusion of the gametes [Option ID = 91018]</li> <li>Non-random association of the alleles of the two genes and random fusion of the gametes [Option ID = 91017]</li> </ol>
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FirstRanker.com www.FirstRanker.com www.FirstRanker.com 19) Why is Arabidopsis thalania widely used as model organism to study plant development? i. Short life cycle ii. Requires minimal space to cultivate iii. Genome has been sequenced [Question ID = 52745] 1. (i) and (iii) only [Option ID = 90974] 2. (i) only [Option ID = 90972] 3. (i), (ii) and (iii) [Option ID = 90975] 4. (ii) only [Option ID = 90973] **Correct Answer :-**• (i), (ii) and (iii) [Option ID = 90975] 20) When a culture of bacteria is shifted to high temperatures, the heat shock response is triggered by: [Question ID = 52785] 1. a sensor protein on the ribosome. [Option ID = 91132] 2. a conversion of a repressor protein to an activator protein. [Option ID = 91135] 3. removal of a repressor protein. [Option ID = 91134] 4. specific sigma factors. [Option ID = 91133] **Correct Answer :-**• specific sigma factors. [Option ID = 91133] 21) A protective mechanism in eukaryotic cells that destroys mRNA with the same sequence as dsRNA is: [Question ID = 52784] 1. Nonsense mediated decay. [Option ID = 91128] 2. Proteasome. [Option ID = 91130] 3. RNA interference. [Option ID = 91129] 4. CRISPR. [Option ID = 91131] **Correct Answer :-**• RNA interference. [Option ID = 91129] 22) A patient has an abnormal karyotype exhibiting 3 copies of chromosome 21. This chromosomal anomaly most likely arose from an error during the following stage of cell cycle: [Question ID = 52766] 1. Cytokinesis [Option ID = 91057] 2. Meiosis I [Option ID = 91058] 3. Mitosis [Option ID = 91056] 4. Interphase [Option ID = 91059] **Correct Answer :-** Meiosis I [Option ID = 91058] 23) This amino acid is NOT yet found in proteins? [Question ID = 52783] 1. L-lysine [Option ID = 91124] 3. Selenocysteine [Option ID = 91125] 4. D-lysine [Option ID = 91126] **Correct Answer :-**• D-lysine [Option ID = 91126] 24) Matrix assisted laser desorption ionization time of flight (MALDI-TOF) spectrometry is most useful for predicting which of the following? [Question ID = 52752] 1. Molecular mass [Option ID = 91002] 2. Three-dimensional structure [Option ID = 91003] 3. Secondary structure [Option ID = 91001] 4. Isoelectric point [Option ID = 91000] **Correct Answer :-**• Molecular mass [Option ID = 91002]

25) The DNA content of a diploid cell is measured in the G1 phase. After meiosis I, the DNA content of one of the two cells produced would be: [Ouestion ID = 52758]



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Probe B

[Option ID = 90948]

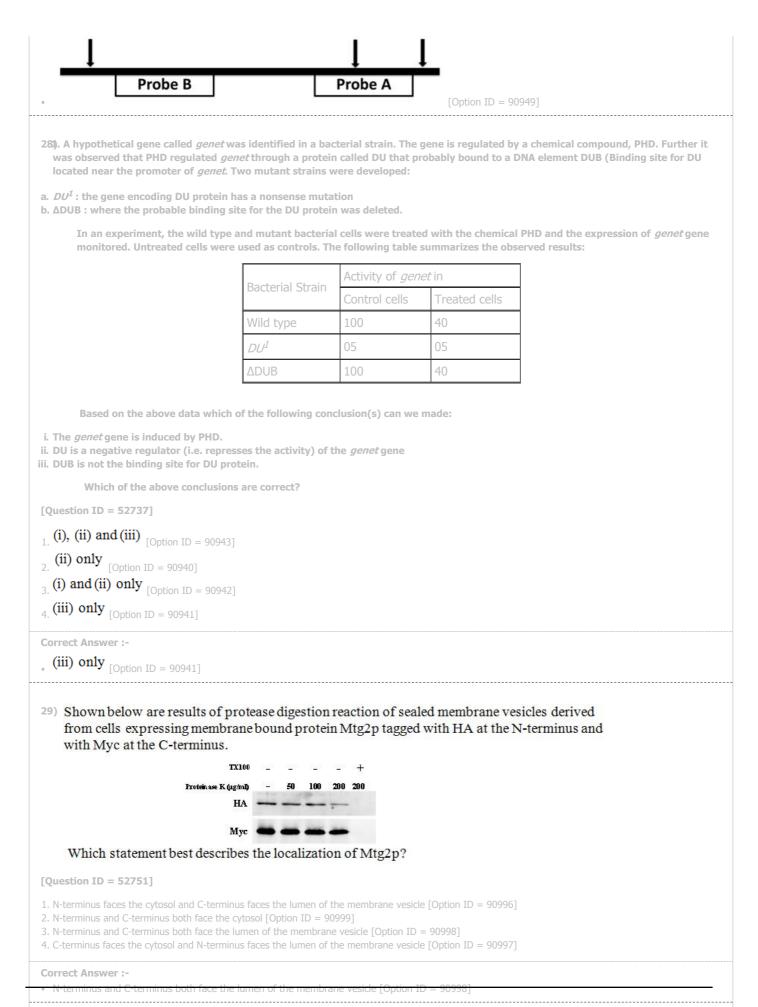
Probe A

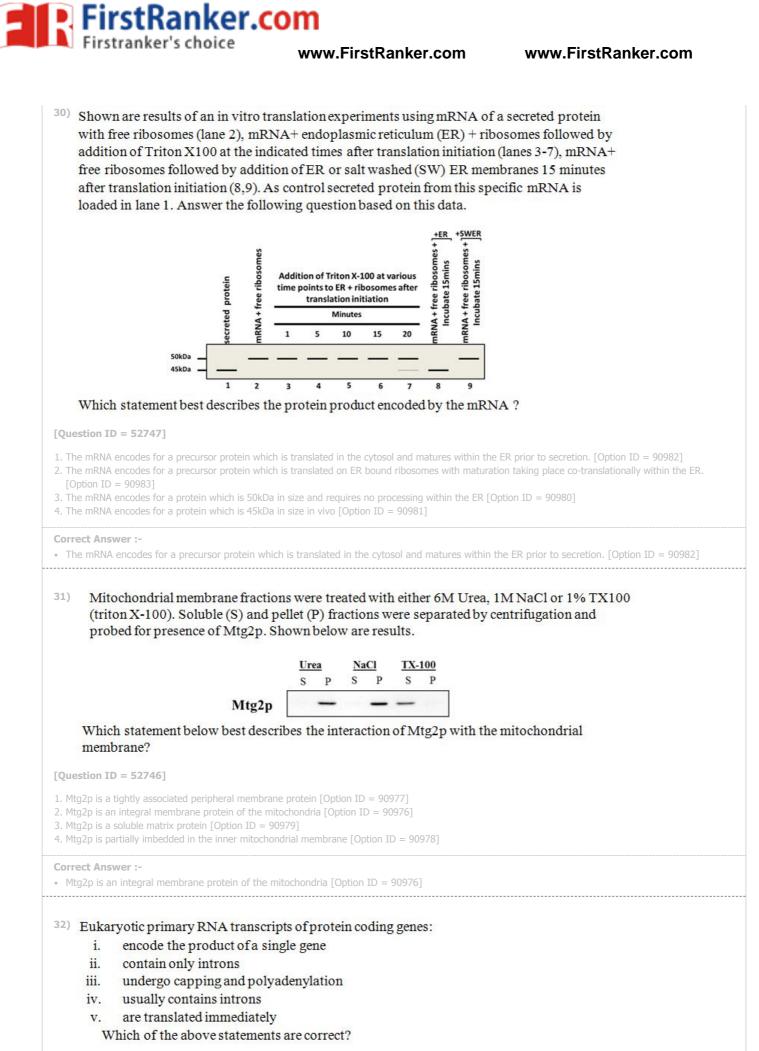
4

**Correct Answer :-**

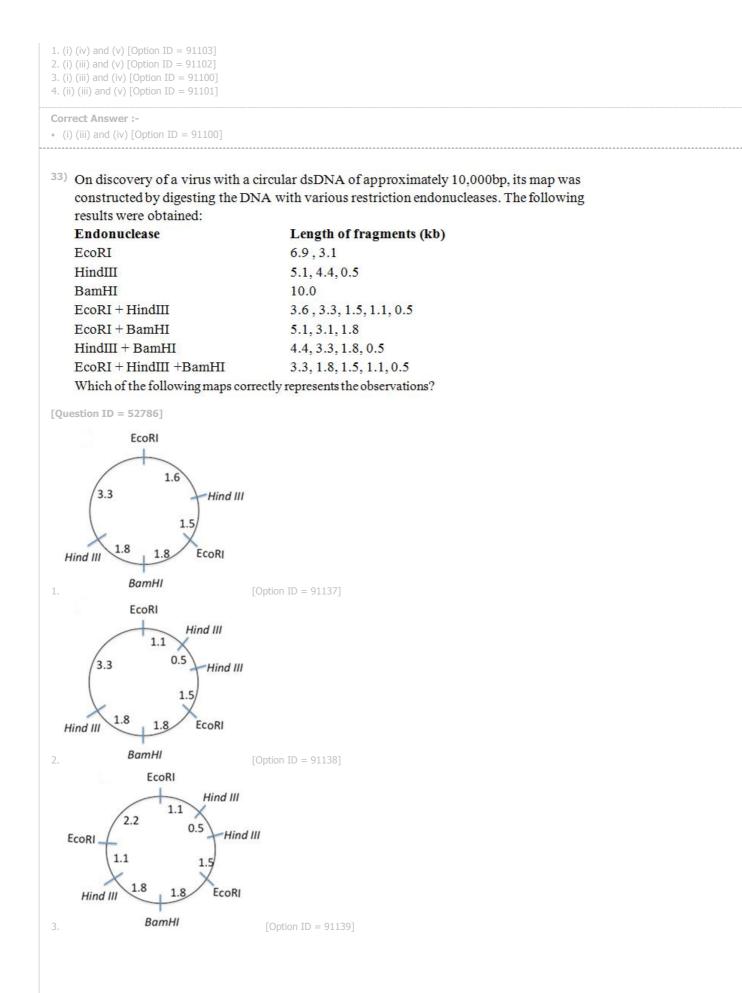


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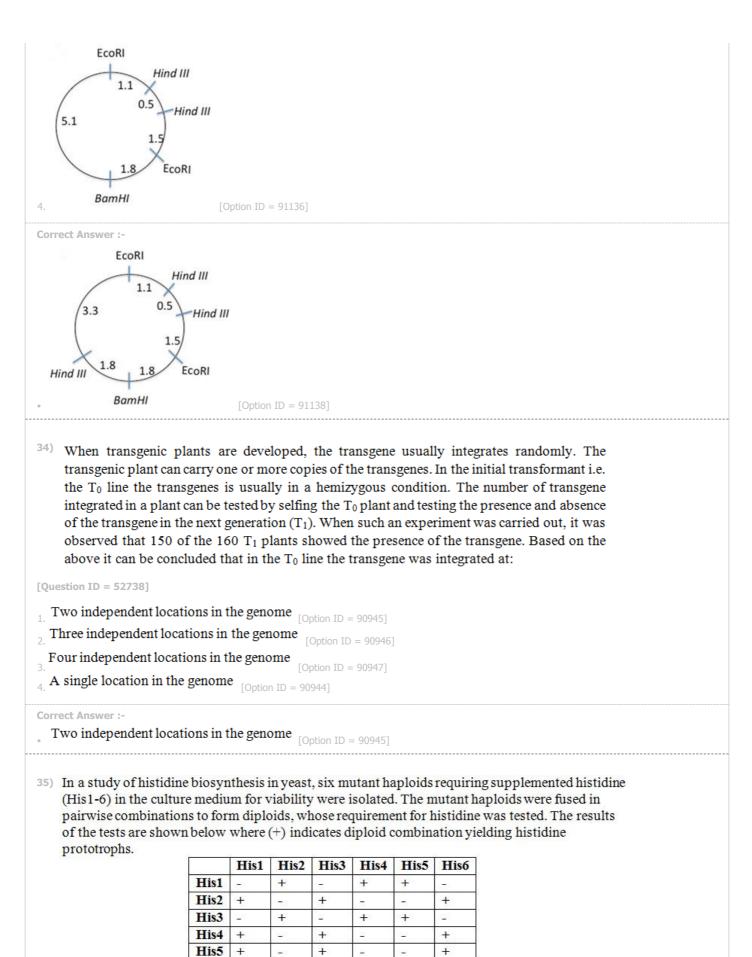








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+ How many different His genes are represented among the six mutants?

-

His6

+

+



1. One [Option ID = 90988] 2. Three [Option ID = 90990] 3. Four [Option ID = 90991] 4. Two [Option ID = 90989]
Correct Answer :-  • Two [Option ID = 90989]
<sup>36)</sup> The genotypes of a husband and wife are I <sup>A</sup> I <sup>B</sup> x I <sup>A</sup> i. Among the blood types of their children, how many different genotypes and phenotypes are possible?
[Question ID = 52757]
<ol> <li>3 genotypes; 4 phenotypes [Option ID = 91020]</li> <li>3 genotypes; 3 phenotypes [Option ID = 91022]</li> <li>4 genotypes; 3 phenotypes [Option ID = 91023]</li> <li>4 genotypes; 4 phenotypes [Option ID = 91021]</li> </ol>
Correct Answer :- • 4 genotypes; 3 phenotypes [Option ID = 91023]
37) Human beings carrying the dominant allele <i>R</i> can roll their tongue. In a population in which the frequency of this allele is 0.8, what is the probability that a particular individual who can roll his/her tongue is homozygous?
[Question ID = 52776]
1. 0.32 [Option ID = 91097] 2. 0.96 [Option ID = 91098] 3. 0.66 [Option ID = 91099] 4. 0.64 [Option ID = 91096]
Correct Answer :- • 0.66 [Option ID = 91099]
38) A PCR reaction that continues for 30 cycles will produce approximately how many PCR products from a single template DNA molecule? [Question ID = 52744]
1. ~ 1 billion [Option ID = 90971] 2. ~ 1 million [Option ID = 90970] 3. 128,000 [Option ID = 90969] 4. 64 [Option ID = 90968]
Correct Answer :- • ~ 1 billion [Option ID = 90971]
39) In a cell undergoing meiosis, the number of copies of a gene at Metaphase I, Anaphase I and Metaphase II would be: [Question ID = 52755]
1. 4, 4, 4 [Option ID = 91012] 2. 4, 4, 2 [Option ID = 91014] 3. 2, 2, 4 [Option ID = 91015] 4. 2, 2, 2 [Option ID = 91013]
Correct Answer :- • 4, 4, 2 [Option ID = 91014]
40) Which of the following protein maintained at constant levels throughout the cell cycle and requires for cyclin to become catalytically active? [Question ID = 52765]
<ol> <li>Cyclins [Option ID = 91054]</li> <li>Acetyl transferase [Option ID = 91052]</li> <li>Cyclin dependent kinases (Cdk) [Option ID = 91055]</li> <li>Protein kinase [Option ID = 91053]</li> </ol>
Correct Answer :- • Cyclin dependent kinases (Cdk) [Option ID = 91055]

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1. Base excision repair [Option ID = 90960]
<ol> <li>SOS repair [Option ID = 90962]</li> <li>Nucleotide excision repair [Option ID = 90961]</li> </ol>
4. Recombinational repair [Option ID = 90963]
Correct Answer :- • SOS repair [Option ID = 90962]
42) Which of the following amino acids are incorrectly grouped based on their side chain polarity properties? [Question ID = 52780]
<ol> <li>Isoleucine, Leucine, Alanine [Option ID = 91115]</li> <li>Methionine, Cysteine, Serine [Option ID = 91112]</li> <li>Phenylalanine, Tyrosine, Tryptophan [Option ID = 91114]</li> <li>Arginine, Lysine, Proline [Option ID = 91113]</li> </ol>
Correct Answer :-
43) Which one of the following listed processes below starts from 3' to 5' direction? [Question ID = 52781]
1. Trans-splicing [Option ID = 91118]
2. mRNA editing [Option ID = 91119] 3. Translation [Option ID = 91117]
4. Polyadenylation [Option ID = 91116]
Correct Answer :- • mRNA editing [Option ID = 91119]
44) The translation of an mRNA encoding a secretory protein using a cell free translation system containing microsomes (ER) lacking signal recognition particles (SRP) is initiated. Shortly afterwards SRP molecules in presence of TX100 are added followed by further incubation. Which of the following outcome is the most likely? [Question ID = 52748]
1. The protein will be fully synthesized but not incorporated into microsomes. [Option ID = 90987]
<ol> <li>The protein will be fully synthesized and incorporated into microsomes. [Option ID = 90985]</li> <li>The protein will be fully synthesized and its signal sequence will be removed without being incorporated into microsomes [Option ID = 90986]</li> <li>Protein synthesis will begin but will be terminated prematurely leading to shorter products. [Option ID = 90984]</li> </ol>
<ul> <li>Correct Answer :-</li> <li>Protein synthesis will begin but will be terminated prematurely leading to shorter products. [Option ID = 90984]</li> </ul>
45) Interference is a common phenomenon during crossing over in meiosis. With the increase in the frequency of double cross over, the coefficient of coincidence will: [Question ID = 52760]
1. No relationship between double cross over and coefficient of coincidence [Option ID = 91035]
2. Decrease [Option ID = 91033] 3. Remain same [Option ID = 91034]
4. Increase [Option ID = 91032]
Correct Answer :- <ul> <li>Increase [Option ID = 91032]</li> </ul>
46) The spatial distribution of mRNA in a cell can be detected by:
[Question ID = 52743]
1. Fluorescent in situ hybridization [Option ID = 90967]
<ol> <li>Northern blot hybridization [Option ID = 90965]</li> <li>Dot blot hybridization [Option ID = 90966]</li> </ol>
4. Immunofluorescence [Option ID = 90964]
Correct Answer :- <ul> <li>Fluorescent in situ hybridization [Option ID = 90967]</li> </ul>
L
47) The development of the antero-posterior axis of <i>Drosophila</i> is initiated when:
[Question ID = 52767]
1. The terminal group protein Torso sets up the anterior and posterior poles of the embryo [Option ID = $91061$ ] 2. The mother contributes and packages bicoid and nanos mRNA into the developing oocyte [Option ID = $91060$ ]
<ol> <li>The homeotic genes specify the fate of individual segments [Option ID = 91062]</li> <li>The sperm enters the micropile at the anterior end, thus specify FirstRanker.com[Option ID = 91063]</li> </ol>



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<ul> <li>46) You want to express recombinant human insulin protein in <i>E. coli</i>. You are given a clone containing the pig insulin gene and human pancreatic tissue. Listed below are steps that are required.</li> <li>a. DAA library with cloned pig insulin gene</li> <li>b. isolate mRAA from human pancreasi</li> <li>c. copress recombinant human insulin in <i>E. coli</i>.</li> <li>d. sing reverse transcriptasa, make cDAA</li> <li>a. etch positive clones that hybridite to the cloned pig insulin gene</li> <li>f. done cDAAs into expression vector to make library.</li> <li>Which of the following best describes the correct order?</li> <li>[Question ID = 52772]</li> <li>a. etchf [Option ID = 91080]</li> <li>b. fadae (Option ID = 91083]</li> <li>c. brane (Option ID = 91083]</li> <li>c. brane (Option ID = 91083]</li> <li>d. brane (Option ID = 91083]</li> <li>e. brane (Size Star) maned supp which restores growth at 42°C. Which statement below best describes supf function with respects of <i>Size</i> (Option ID = 90993]</li> <li>e. supf is a nitreaction suppressor of <i>Lsi</i> (Option ID = 90993]</li> <li>e. supf is an interaction suppressor of <i>Lsi</i> (Option ID = 90993]</li> <li>e. supf is an interaction suppressor of <i>Lsi</i> (Option ID = 90993]</li> <li>e. supf is an interaction suppressor of <i>Lsi</i> (Option ID = 90993]</li> <li>e. supf is an interaction suppressor of <i>Lsi</i> (Option ID = 90993]</li> <li>e. supf is an interaction suppressor of <i>Lsi</i> (Option ID = 90993]</li> <li>e. supf</li></ul>	<ul> <li>The mother contributes and packages bicoid and nanos mRNA into the developing oocyte [Option ID = 91060]</li> </ul>	
pancreatic tissue. Listed below are steps that are required. a. cDMA library with cheed pill insulin gene b. isolate mRMA from human pancreas c. cayness recombinant human insultin in <i>E. coll</i> d. using reverse transcriptase, make cDMA c. elect positive chones that hybridize to the cloned pig insulin gene f. clone cDMAs into expression vector to make library Which of the following best describes the correct order? [Question ID = 52721] 1. electof [Option ID = 91080] 2. Undrac [Option ID = 91083] 3. dafrer [Option ID = 91083] 4. elect (Option ID = 91083] 5. Undrac [Option ID = 90993] 5. Undrac [Option ID = 90093] 5. Undrac [Option		
Question ID = 52772]         1. aecbdf (Option ID = 91080]         2. bidate (Option ID = 91083]         3. bidate (Option ID = 91083]         4. abdrec (Option ID = 91083]         Correct Answer :- <ul> <li>bidate (Option ID = 91083]</li> </ul> 4. abdrec (Option ID = 91083]           4. abdrec (Option ID = 91083] <b>Correct Answer :-</b> <ul> <li>bidate (Option ID = 91083]</li> </ul> 4. abdrec (Option ID = 91083] <b>Guestion ID = 52750</b> 1. suppl is a either a dosage or bippass suppressor of <i>LSI</i> (Option ID = 90995]         2. suppl is a dosage suppressor of <i>LSI</i> (Option ID = 90993]         Correct Answer :- <ul> <li>suppl is a either a dosage or bippass suppressor of <i>LSI</i> (Option ID = 90993]</li> <li>Suppl is a bippass suppressor of <i>LSI</i> (Option ID = 90993]</li> <li>Correct Answer :-       <ul> <li>suppl is an interaction suppressor of <i>LSI</i> (Option ID = 90993]</li> <li>Suppl is an interaction suppressor of <i>LSI</i> (Option ID = 90993]</li> <li>Suppl is an interaction suppressor of <i>LSI</i> (Option ID = 90993]</li> <li>Suppl is an interaction suppressor of <i>LSI</i> (Option ID = 90993]</li> <li>Suppl is an interaction suppressor of <i>LSI</i> (Option ID = 90993]</li> <li>Suppl is an interaction suppressor of <i>LSI</i> (Option ID = 90993]</li> <li>Suppl is an interaction suppressor of <i>LSI</i> (Option ID = 90993]</li> <li>Suppl is an interaction suppressor of <i>LSI</i> (Option ID = 90993]</li> <li>Suppl is an interactin Suppressor of <i>LSI</i> (Option ID = 90993]</li> <li>Suppl is</li></ul></li></ul>	<ul> <li>pancreatic tissue. Listed below are steps that are required.</li> <li>a. cDNA library with cloned pig insulin gene</li> <li>b. isolate mRNA from human pancreas</li> <li>c. express recombinant human insulin in <i>E. coli</i></li> <li>d. using reverse transcriptase, make cDNA</li> <li>e. select positive clones that hybridize to the cloned pig insulin gene</li> </ul>	e pig insulin gene and human
<ul> <li>1. aecbdf (Option ID = 91080)</li> <li>2. bdrac (Option ID = 91083)</li> <li>3. bdafce (Option ID = 91083)</li> <li>4. abdrac (Option ID = 91082)</li> <li>Correct Answer :- <ul> <li>bdrac (Option ID = 91083)</li> </ul> </li> <li>49) You have five yeast strains each having distinct temperature sensitive allele of <i>YFG1</i> named <i>ts1-ts5</i> for impaired growth at 42°C. In the laboratory you identify a suppressor to <i>ts1</i> named <i>cs1</i> the stores growth at 42°C. Using pairwise crossing you combine <i>ts2-ts5</i> with <i>sup1</i>. It turns out that <i>sup1</i> when combined with <i>ts2-ts5</i> does not suppress impaired growth at 42°C. Which statement below best describes <i>sup1</i> that a sup1 when combined with <i>ts2-ts5</i> does not suppress impaired growth at 42°C. Which statement below best describes <i>sup1</i> is a either a dosage or bypass suppressor of <i>ts1</i> (Option ID = 90995)</li> <li>2. <i>sup1</i> is a bypass suppressor of <i>ts1</i> (Option ID = 90993)</li> <li>Correct Answer :- <ul> <li>sup1 is a niteraction suppressor of <i>ts1</i> (Option ID = 90993)</li> </ul> </li> <li>50) You wish to amplify the region in BOLD CAPS below using PCR. Seatch and the apprime pair: <ul> <li>[Question ID = 52771]</li> <li>1. Sug2 is an interaction suppressor of <i>ts1</i> (Option ID = 90993)</li> <li>Sourcet Answer :- <ul> <li>sup1 is a dosage suppressor of <i>ts1</i> (Option ID = 90993)</li> </ul> </li> <li>50) You wish to amplify the region in BOLD CAPS below using PCR. Seatch and the appressor of <i>ts1</i> (Option ID = 90993)</li> <li>2. Sug2 is an interaction suppressor of <i>ts1</i> (Option ID = 90993)</li> <li>3. Sug2 is an interaction suppressor of <i>ts1</i> (Option ID = 90993)</li> <li>3. Sug2 is an interaction suppressor of <i>ts1</i> (Option ID = 90993)</li> <li>3. Sug2 is an interaction suppressor of <i>ts1</i> (Option ID = 90993)</li> <li>3. Sug2 is an interaction suppressor of <i>ts1</i> (Option ID = 90093)</li> <li>3. Sug2 is an interaction suppressor of <i>ts1</i> (Option ID = 90093)</li> <li>3. Sug2 is an interaction suppressor of <i>ts1</i> (Option ID = 90093)</li> <li>3. Sug2 is an interacti</li></ul></li></ul>	Which of the following best describes the correct order?	
<ul> <li>2. bdfac [Option ID = 91083]</li> <li>3. bdafc [Option ID = 91081]</li> <li>4. abdfac [Option ID = 91082]</li> <li>Correct Answer :- <ul> <li>bdfac [Option ID = 91083]</li> </ul> </li> <li>49) You have five yeast strains each having distinct temperature sensitive allele of <i>YFGI</i> named <i>ts1-ts5</i> for impaired growth at 42°C. In the laboratory you identify a suppressor to <i>ts1</i> named <i>sup1</i> which restores growth at 42°C. Using pairwise crossing you combine <i>ts2-ts5</i> to the laboratory you identify a suppressor to <i>ts1</i> named <i>sup1</i> which restores growth at 42°C. Which statement below best describes <i>sup1</i> function with respect to <i>ts1</i>?</li> <li>[Question ID = 52750]</li> <li>1. <i>sup1</i> is a either a dosage or bypass suppressor of <i>ts1</i> [Option ID = 90995]</li> <li>2. <i>sup1</i> is a hiteraction suppressor of <i>ts1</i> [Option ID = 90993]</li> <li>Correct Answer :- <ul> <li>sup1 is interaction suppressor of <i>ts1</i> [Option ID = 90993]</li> </ul> </li> <li>50) You wish to amplify the region in BOLD CAPS below using PCR. SepartcagaettaGATTACAGATTACAGATTACAGaetaTTACAgetaTTACAGATTACAGATTACAGetaTTACAgetaTTACAGATTACAGATTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTACAGETTAGETT</li></ul>	[Question ID = 52772]	
<ul> <li>bdfacc [Option ID = 91083]</li> <li>49) You have five yeast strains each having distinct temperature sensitive allele of <i>YFG1</i> named <i>ts1-ts5</i> for impaired growth at 42°C. In the laboratory you identify a suppressor to <i>ts1</i> named <i>sup1</i> which restores growth at 42°C. Using pairwise crossing you combine <i>ts2-ts5</i> with <i>sup1</i> It turns out that <i>sup1</i> when combined with <i>ts2-ts5</i> does not suppress impaired growth at 42°C. Which statement below best describes <i>sup1</i> function with respect to <i>ts1</i>?</li> <li>[Question ID = 52750]</li> <li><i>sup1</i> is a either a dosage or bypass suppressor of <i>ts1</i> [Option ID = 90995]</li> <li><i>sup1</i> is a bypass suppressor of <i>ts1</i> [Option ID = 90993]</li> <li><i>sup1</i> is an interaction suppressor of <i>ts1</i> [Option ID = 90993]</li> <li>Correct Answer :-         <ul> <li><i>sup1</i> is an interaction suppressor of <i>ts1</i> [Option ID = 90993]</li> </ul> </li> <li>50) You wish to amplify the region in BOLD CAP5 below using PCR. SignatcaggacttaGATTACAGATTACAGATTACAGATTACAggccaagtc3' Select the correct set of 8bp primer pair:         <ul> <li>[Question ID = 52771]</li> <li><i>SAGGACTTA3</i>' and S'GGCCAAGT3' [Option ID = 91076]</li> <li><i>SAGGACTTA3</i>' and S'GGCCAGT3' [Option ID = 91076]</li> <li><i>SAGGACTTA3</i>' and S'ACCTTGGC3' [Option ID = 91077]</li> </ul> </li> <li>Correct Answer :-         <ul> <li><i>SAGGACTTA3</i>' and S'ACCTTGGC3' [Option ID = 91078]</li> </ul> </li> </ul>	2. bdfaec [Option ID = 91083] 3. bdafec [Option ID = 91081]	
the laboratory you identify a suppressor to <i>ts1</i> named <i>sup1</i> which restores growth at 42°C. Using pairwise crossing you combine <i>ts2-ts5</i> with <i>sup1</i> . It turns out that <i>sup1</i> when combined with <i>ts2-ts5</i> does not suppress impaired growth at 42°C. Which statement below best describes <i>sup1</i> function with respect to <i>ts1</i> ?  [Question ID = 52750]  1. <i>sup1</i> is a either a dosage or bypass suppressor of <i>ts1</i> [Option ID = 90995]  2. <i>sup1</i> is a bypass suppressor of <i>ts1</i> [Option ID = 90999]  3. <i>sup1</i> is a loteration suppressor of <i>ts1</i> [Option ID = 90993]  Correct Answer :-  • <i>sup1</i> is an interaction suppressor of <i>ts1</i> [Option ID = 90993]  50) You wish to amplify the region in BOLD CAPS below using PCR. 5'gagatcaggattaGATTACAGATTACAGATTACAGGTCAGgccaagtc3' Select the correct set of 8bp primer pair: [Question ID = 52771]  1. <i>slo</i> GACTTA3' and 5'GGCCAAGT3' [Option ID = 91076]  2. <i>St</i> AGGACTTA3' and 5'ACTTGGCC3' [Option ID = 91078]  Correct Answer :-  • <i>S</i> 'AGGACTTA3' and 5'ACTTGGCC3' [Option ID = 91078]		
<ul> <li>sup1 is a either a dosage or bypass suppressor of <i>ts1</i> [Option ID = 90995]</li> <li>sup1 is a bypass suppressor of <i>ts1</i> [Option ID = 90992]</li> <li>sup1 is an interaction suppressor of <i>ts1</i> [Option ID = 90993]</li> </ul> Correct Answer :- <ul> <li>sup1 is an interaction suppressor of <i>ts1</i> [Option ID = 90993]</li> </ul> 50) You wish to amplify the region in BOLD CAPS below using PCR. S'gagatcaggacttaGATTACAGATTACAGATTACAGATTACAGgaccaagtc3' Select the correct set of 8bp primer pair: [Question ID = 52771] <ol> <li>S'AGGACTTA3' and 5'GGCCAAGT3' [Option ID = 91076]</li> <li>S'AGGACTTA3' and 5'ACTTGGCC3' [Option ID = 91078]</li> </ol> Correct Answer :- <ul> <li>S'AGGACTTA3' and 5'ACTTGGCC3' [Option ID = 91078]</li> </ul> Correct Answer :- <ul> <li>S'AGGACTTA3' and 5'ACTTGGCC3' [Option ID = 91078]</li> </ul>	the laboratory you identify a suppressor to <i>ts1</i> named <i>sup1</i> which restores growth at 42°C. Using pairwise with <i>sup1</i> . It turns out that <i>sup1</i> when combined with <i>ts2-ts5</i> does not suppress impaired growth at 42°C. describes <i>sup1</i> function with respect to <i>ts1</i> ?	crossing you combine <i>ts2-ts5</i>
<ul> <li>sup1 is an interaction suppressor of ts1 [Option ID = 90993]</li> <li>50) You wish to amplify the region in BOLD CAPS below using PCR. 5'gagatcaggacttaGATTACAGATTACAGATTACAGATTACAggccaagtc3' Select the correct set of 8bp primer pair: [Question ID = 52771]</li> <li>1. 5'AGGACTTA3' and 5'GGCCAAGT3' [Option ID = 91076]</li> <li>2. 5'AGGACTTA3' and 5'TGAACCGG3' [Option ID = 91079]</li> <li>3. 5'AGGACTTA3' and 5'ACTTGGCC3' [Option ID = 91078]</li> <li>4. 5'TAAGTCCT3' and 5'ACTTGGCC3' [Option ID = 91078]</li> <li>5'AGGACTTA3' and 5'ACTTGGCC3' [Option ID = 91078]</li> </ul>	<ol> <li>sup1 is a either a dosage or bypass suppressor of ts1 [Option ID = 90995]</li> <li>sup1 is a bypass suppressor of ts1 [Option ID = 90994]</li> <li>sup1 is a dosage suppressor of ts1 [Option ID = 90992]</li> </ol>	
<ul> <li>50) You wish to amplify the region in BOLD CAPS below using PCR.</li> <li>5'gagatcaggacttaGATTACAGATTACAGATTACAGATTACAGgaccaagtc3' Select the correct set of 8bp primer pair:</li> <li>[Question ID = 52771]</li> <li>1. 5'AGGACTTA3' and 5'GGCCAAGT3' [Option ID = 91076]</li> <li>2. 5'AGGACTTA3' and 5'TGAACCGG3' [Option ID = 91079]</li> <li>3. 5'AGGACTTA3' and 5'ACTTGGCC3' [Option ID = 91078]</li> <li>4. 5'TAAGTCCT3' and 5'ACTTGGCC3' [Option ID = 91077]</li> </ul>	• $sup1$ is an interaction suppressor of $ts1$ [Option ID = 90993]	
1. 5'AGGACTTA3' and 5'GGCCAAGT3' [Option ID = 91076] 2. 5'AGGACTTA3' and 5'TGAACCGG3' [Option ID = 91079] 3. 5'AGGACTTA3' and 5'ACTTGGCC3' [Option ID = 91078] 4. 5'TAAGTCCT3' and 5'ACTTGGCC3' [Option ID = 91077] Correct Answer :- • 5'AGGACTTA3' and 5'ACTTGGCC3' [Option ID = 91078]	5'gagatcaggacttaGATTACAGATTACAGATTACAGATTACAggccaagtc3'	
2. 5'AGGACTTA3' and 5'TGAACCGG3' [Option ID = 91079] 3. 5'AGGACTTA3' and 5'ACTTGGCC3' [Option ID = 91078] 4. 5'TAAGTCCT3' and 5'ACTTGGCC3' [Option ID = 91077] Correct Answer :- • 5'AGGACTTA3' and 5'ACTTGGCC3' [Option ID = 91078]	[Question ID = 52771]	
• 5'AGGACTTA3' and 5'ACTTGGCC3' [Option ID = 91078]	2. 5'AGGACTTA3' and 5'TGAACCGG3' [Option ID = $91079$ ] 3. 5'AGGACTTA3' and 5'ACTTGGCC3' [Option ID = $91078$ ]	
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