

MeSH Tree Structures - 2008

G5 - GENETIC PROCESSES

Genetic Processes

Genetic Processes	G5		
Breeding	G5.90	E5.820.	
Hybridization, Genetic	G5.90.390	E5.820.	
Inbreeding	G5.90.403	E5.820.	
Consanguinity	G5.90.403.180	G13.180	
Cell Division	G5.105	G4.335.	G4.335.
		G7.382.	G7.382.
		G7.574.	
Cell Nucleus Division	G5.105.220	G4.335.	G7.382.
Anaphase	G5.105.220.500	G4.335.	G4.335.
		G5.105.	G7.382.
		G7.382.	
Chromosome Segregation	G5.105.220.625	G4.335.	G7.382.
Nondisjunction, Genetic	G5.105.220.625.620	C23.550.	G5.600.
Meiosis	G5.105.220.687	G4.335.	G7.382.
Meiotic Prophase I	G5.105.220.687.500	G4.335.	G4.335.
		G5.105.	G7.382.
		G7.382.	
Chromosome Pairing	G5.105.220.687.500.299	G4.335.	G4.335.
		G5.105.	G7.382.
		G7.382.	
Synaptonemal Complex	G5.105.220.687.500.299.500	A11.284.	G4.335.
		G4.335.	G5.105.
		G7.382.	G7.382.
		G14.160.	
Pachytene Stage	G5.105.220.687.500.600	G4.335.	G4.335.
		G5.105.	G7.382.
		G7.382.	
Metaphase	G5.105.220.750	G4.335.	G4.335.
		G5.105.	G7.382.
		G7.382.	
Mitosis	G5.105.220.781	G4.335.	G7.382.
Anaphase	G5.105.220.781.50	G4.335.	G4.335.
		G5.105.	G7.382.
		G7.382.	
Metaphase	G5.105.220.781.625	G4.335.	G4.335.
		G5.105.	G7.382.
		G7.382.	
Prometaphase	G5.105.220.781.812	G4.335.	G4.335.
		G5.105.	G7.382.
		G7.382.	
Prophase	G5.105.220.781.906	G4.335.	G4.335.
		G5.105.	G7.382.
		G7.382.	
Telophase	G5.105.220.781.953	G4.335.	G4.335.
		G5.105.	G7.382.
		G7.382.	
Prometaphase	G5.105.220.812	G4.335.	G4.335.
		G5.105.	G7.382.
		G7.382.	
Prophase	G5.105.220.875	G4.335.	G4.335.
		G5.105.	G7.382.
		G7.382.	
Meiotic Prophase I	G5.105.220.875.500	G4.335.	G4.335.
		G5.105.	G7.382.
		G7.382.	
Chromosome Pairing	G5.105.220.875.500.299	G4.335.	G4.335.
		G5.105.	G7.382.
		G7.382.	

G5 - GENETIC PROCESSES

Genetic Processes

Cell Division

Cell Nucleus Division

Prophase

Meiotic Prophase I

Chromosome Pairing

Synaptonemal Complex

G5.105.220.875.500.299.500

A11.284.

G4.335.

G4.335.

G5.105.

G7.382.

G7.382.

G14.160.

Pachytene Stage

G5.105.220.875.500.600

G4.335.

G4.335.

G5.105.

G7.382.

G7.382.

Telophase

G5.105.220.937

G4.335.

G4.335.

G5.105.

G7.382.

G7.382.

DNA Cleavage

G5.142

DNA Damage

G5.180

C21.111

DNA Adducts

G5.180.104

D13.444.

DNA Breaks

G5.180.210

Chromosome Breakage

G5.180.210.170

C21.111.

C23.550.

G13.920.

DNA Breaks, Double-Stranded

G5.180.210.220

DNA Breaks, Single-Stranded

G5.180.210.230

DNA Degradation, Necrotic

G5.180.220

C23.550.

G4.335.

DNA Fragmentation

G5.180.230

DNA Methylation

G5.190

G6.535.

H1.181.

DNA Packaging

G5.192

G4.335.

Chromatin Assembly and Disassembly

G5.192.95

G4.335.

G5.315.

DNA Repair

G5.195

DNA Mismatch Repair

G5.195.220

SOS Response (Genetics)

G5.195.830

DNA Replication

G5.200

DNA Replication Timing

G5.200.760

S Phase

G5.200.880

G4.335.

G7.382.

Evolution

G5.265

G4.185.

Evolution, Molecular

G5.265.250

G4.185.

Genetic Drift

G5.265.300

G13.330.

Genetic Speciation

G5.265.350

G4.185.

Gene Expression

G5.310

Protein Biosynthesis

G5.310.670

G6.535.

Transcription, Genetic

G5.310.700

Reverse Transcription

G5.310.700.500

Gene Expression Regulation

G5.315

Chromatin Assembly and Disassembly

G5.315.95

G4.335.

G5.192.

Down-Regulation

G5.315.200

G6.184.

G7.621.

G12.307

Epigenesis, Genetic

G5.315.203

Dosage Compensation, Genetic

G5.315.203.249

X Chromosome Inactivation

G5.315.203.249.970

Gene Silencing

G5.315.203.374

RNA Interference

G5.315.203.374.790

Genomic Imprinting

G5.315.203.500

Epistasis, Genetic

G5.315.207

Frameshifting, Ribosomal

G5.315.215

G6.535.

Gene Amplification

G5.315.250

G5.600.

G13.920.

Gene Expression Regulation, Archaeal

G5.315.290

Gene Expression Regulation, Bacterial

G5.315.300

Gene Expression Regulation, Developmental

G5.315.310

Gene Expression Regulation, Enzymologic

G5.315.320

Enzyme Induction

G5.315.320.200

Enzyme Repression

G5.315.320.300

Gene Expression Regulation, Fungal

G5.315.330

Gene Expression Regulation, Neoplastic

G5.315.370

Gene Expression Regulation, Leukemic

G5.315.370.500

G5 - GENETIC PROCESSES

Genetic Processes

Gene Expression Regulation

Gene Expression Regulation, Plant

Gene Expression Regulation, Plant

G5.315.375

Gene Expression Regulation, Viral

G5.315.385

Protein Modification, Translational

G5.315.670

G6.535.

Protein Processing, Post-Translational

G5.315.670.600

G6.535.

Protein Prenylation

G5.315.670.600.400

G6.535.

Protein Splicing

G5.315.670.600.700

G6.535.

RNA Processing, Post-Transcriptional

G5.315.700

G6.535.

RNA 3' End Processing

G5.315.700.225

G6.535.

Polyadenylation

G5.315.700.225.710

G6.535.

RNA Editing

G5.315.700.250

G6.535.

RNA Splicing

G5.315.700.700

G6.535.

Alternative Splicing

G5.315.700.700.100

G6.535.

Trans-Splicing

G5.315.700.700.750

G6.535.

Trans-Activation (Genetics)

G5.315.800

Up-Regulation

G5.315.850

G6.184.

G7.621.

G12.955

Gene Rearrangement

G5.330

Gene Rearrangement, B-Lymphocyte

G5.330.401

G4.610.

Gene Rearrangement, B-Lymphocyte, Heavy Chain

G5.330.401.501

G4.610.

Immunoglobulin Class Switching

G5.330.401.501.450

G4.610.

Gene Rearrangement, B-Lymphocyte, Light Chain

G5.330.401.601

G4.610.

Gene Rearrangement, T-Lymphocyte

G5.330.801

G4.610.

Gene Rearrangement, alpha-Chain T-Cell Antigen Receptor

G5.330.801.111

G4.610.

Gene Rearrangement, beta-Chain T-Cell Antigen Receptor

G5.330.801.211

G4.610.

Gene Rearrangement, delta-Chain T-Cell Antigen Receptor

G5.330.801.261

G4.610.

Gene Rearrangement, gamma-Chain T-Cell Antigen Receptor

G5.330.801.311

G4.610.

Heredity

G5.380

Mutagenesis

G5.600

DNA Repeat Expansion

G5.600.220

G6.184.

G13.920.

G14.80.

G14.340.

G14.340.

Trinucleotide Repeat Expansion

G5.600.220.865

G6.184.

G6.184.

G13.920.

G14.80.

G14.80.

G14.340.

G14.340.

Gene Amplification

G5.600.315

G5.315.

G13.920.

Gene Duplication

G5.600.320

G13.920.

INDEL Mutation

G5.600.370

G13.920.

Inversion, Chromosome

G5.600.420

C23.550.

G13.920.

Mutagenesis, Insertional

G5.600.550

E5.393.

G13.920.

Nondisjunction, Genetic

G5.600.620

C23.550.

G5.105.

Sequence Deletion

G5.600.800

G13.920.

Chromosome Deletion

G5.600.800.180

C23.550.

G13.920.

G13.920.

G13.920.

Gene Deletion

G5.600.800.320

G13.920.

Somatic Hypermutation, Immunoglobulin

G5.600.810

G4.610.

Suppression, Genetic

G5.600.835

G13.920.

Translocation, Genetic

G5.600.860

C23.550.

G13.920.

Nuclear Reprogramming

G5.680

Nucleic Acid Denaturation

G5.720

E5.393.

G6.184.

Recombination, Genetic

G5.760

Conjugation, Genetic

G5.760.200

Crossing Over, Genetic

G5.760.210

Gene Conversion

G5.760.380

Gene Fusion

G5.760.385

Oncogene Fusion

G5.760.385.500

Gene Transfer, Horizontal

G5.760.390

Sister Chromatid Exchange

G5.760.840

G5 - GENETIC PROCESSES

Genetic Processes

Recombination, Genetic
Transduction, Genetic

Transduction, Genetic	G5.760.850	E5.393.	
Transfection	G5.760.860	E5.393.	
Transformation, Bacterial	G5.760.860.500	E5.393.	G4.185.
		G5.760.	
Transformation, Genetic	G5.760.865		
Transformation, Bacterial	G5.760.865.820	E5.393.	G4.185.
		G5.760.	
Selection (Genetics)	G5.800		
Sex Determination (Genetics)	G5.865		
Virus Integration	G5.930	G4.185.	
Lysogeny	G5.930.500	G4.185.	