

# MeSH Tree Structures - 2015

## G2 - CHEMICAL PHENOMENA

### Chemical Phenomena

<b>Chemical Phenomena</b>	G2		
<b>Biochemical Phenomena</b>	G2.111		
<b>Acid-Base Equilibrium</b>	G2.111.29	G2.300. G7.700.	G3.30 G9.188.
<b>Base Composition</b>	G2.111.80		
<b>Biochemical Processes</b>	G2.111.87	G2.149.	
<b>Acylation</b>	G2.111.87.19	G2.149. G2.607.	G2.149. G3.495.
<b>Acetylation</b>	G2.111.87.19.52	G2.149. G2.607.	G2.149. G3.495.
<b>Aminoacylation</b>	G2.111.87.19.55	G2.111. G2.149. G2.607.	G2.149. G2.149. G3.495.
<b>Transfer RNA Aminoacylation</b>	G2.111.87.19.55.860	G3.495. G2.111. G2.149. G2.149. G3.495.	G2.111. G2.149. G3.495. G3.495.
<b>Aerobiosis</b>	G2.111.87.24	G2.149.	G3.495.
<b>Agglutination</b>	G2.111.87.26	G2.149.	G12.425.
<b>Hemagglutination</b>	G2.111.87.26.500	G2.149.	G12.425.
<b>Hemagglutination, Viral</b>	G2.111.87.26.500.500	G2.149. G6.920.	G6.590.
<b>Alkylation</b>	G2.111.87.29	G2.149. G2.607.	G2.149. G3.495.
<b>Methylation</b>	G2.111.87.29.538	G2.149. G2.607.	G2.149. G3.495.
<b>DNA Methylation</b>	G2.111.87.29.538.161	G2.111. G2.149. G5.355.	G2.149. G3.495.
<b>Allosteric Regulation</b>	G2.111.87.40	G2.149.	
<b>Amination</b>	G2.111.87.45	G2.149. G2.607.	G2.149. G3.495.
<b>Anaerobiosis</b>	G2.111.87.50	G2.149.	G3.495.
<b>Autotrophic Processes</b>	G2.111.87.70	G2.149.	G3.495.
<b>Chemoautotrophic Growth</b>	G2.111.87.70.314	G2.149.	G3.495.
<b>Nitrogen Fixation</b>	G2.111.87.70.630	G2.149. G6.99. G6.590.	G3.495. G6.590.
<b>Binding, Competitive</b>	G2.111.87.90	E5.196. G2.149.	G2.111.
<b>Biocatalysis</b>	G2.111.87.95	G2.149. G2.149. G3.495.	G2.149. G2.842.
<b>Biosynthetic Pathways</b>	G2.111.87.126	G2.149.	G3.495.
<b>Biotinylation</b>	G2.111.87.157	E5.393. G3.495.	G2.149.
<b>Carbohydrate Metabolism</b>	G2.111.87.160	G2.149.	G3.495.
<b>Fermentation</b>	G2.111.87.160.249	G2.149.	G3.495.
<b>Gluconeogenesis</b>	G2.111.87.160.500	G2.149.	G3.495.
<b>Glycogenolysis</b>	G2.111.87.160.625	G2.149.	G3.495.
<b>Glycolysis</b>	G2.111.87.160.750	G2.149. G3.495.	G3.495. G3.495.
<b>Glycosylation</b>	G2.111.87.160.812	G2.149. G2.607.	G2.149. G3.495.
<b>Pentose Phosphate Pathway</b>	G2.111.87.160.875	G2.149. G3.495.	G3.495. G3.495.

## G2 - CHEMICAL PHENOMENA

Chemical Phenomena  
 Biochemical Phenomena  
 Biochemical Processes  
 Carbohydrate Metabolism  
 Photosynthesis

Photosynthesis	G2.111.87.160.937	G2.111. G2.149. G2.842. G3.495. G3.495. G15.744.	G2.149. G2.149. G3.495. G3.495.
Photophosphorylation	G2.111.87.160.937.700	G2.111. G2.149. G2.149. G2.842. G3.495. G3.495.	G2.111. G2.149. G2.149. G3.495. G3.495.
Citric Acid Cycle	G2.111.87.165	G2.149. G3.495.	G3.495.
Cyclization	G2.111.87.170	G2.149. G2.607.	G2.149. G3.495.
Dealkylation	G2.111.87.200	G2.149. G2.607.	G2.149. G3.495.
Deamination	G2.111.87.205	G2.149. G2.607.	G2.149. G3.495.
Decarboxylation	G2.111.87.210	G2.149. G2.607.	G2.149. G3.495.
Dimerization	G2.111.87.215	G2.149. G3.495.	G2.149.
DNA Cleavage	G2.111.87.217	G2.149.	G5.355.
DNA Methylation	G2.111.87.218	G2.111. G2.149. G5.355.	G2.149. G3.495.
DNA Repair	G2.111.87.219	G2.149.	G5.355.
DNA End-Joining Repair	G2.111.87.219.200	G2.149.	G5.355.
DNA Mismatch Repair	G2.111.87.219.220	G2.149.	G5.355.
Recombinational DNA Repair	G2.111.87.219.700	G2.149. G5.355.	G5.355.
SOS Response (Genetics)	G2.111.87.219.830	G2.149.	G5.355.
DNA Replication	G2.111.87.222	G2.149.	G5.355.
DNA Replication Timing	G2.111.87.222.760	G2.149.	G5.355.
S Phase	G2.111.87.222.880	G2.149. G5.355.	G4.299.
Telomere Shortening	G2.111.87.222.940	G2.149. G5.355.	G4.299.
Down-Regulation	G2.111.87.225	G2.149. G7.690.	G5.355. G7.700.
Electron Transport	G2.111.87.240	G2.149. G3.495.	G3.495.
Energy Transfer	G2.111.87.242	G1.154. G2.149. G2.842.	G1.595. G2.149.
Fluorescence Resonance Energy Transfer	G2.111.87.242.280	E5.196. G1.595.	G1.154. G2.149.
Linear Energy Transfer	G2.111.87.242.400	G1.154. G2.149. G2.842.	G1.595. G2.149.
Enzyme Activation	G2.111.87.245	G2.149.	G3.495.
Esterification	G2.111.87.451	G2.149. G2.607.	G2.149. G3.495.
Evolution, Chemical	G2.111.87.468	G1.60. G2.149.	G1.595. G2.149.
Halogenation	G2.111.87.485	G2.149.	G3.495.
Heterotrophic Processes	G2.111.87.490	G2.149.	G3.495.
Hydrogenation	G2.111.87.497	G2.149. G2.607.	G2.149. G3.495.

## G2 - CHEMICAL PHENOMENA

**Chemical Phenomena**  
**Biochemical Phenomena**  
**Biochemical Processes**  
**Hydrolysis**

<b>Hydrolysis</b>	G2.111.87.505	G2.149. G3.495.	G2.149.
<b>Hydroxylation</b>	G2.111.87.512	G2.149. G2.607.	G2.149. G3.495.
<b>Lipid Peroxidation</b>	G2.111.87.520	G2.149.	G3.495.
<b>Lipogenesis</b>	G2.111.87.525	G2.149.	G3.495.
<b>Lipolysis</b>	G2.111.87.530	G2.149.	G3.495.
<b>Lipoylation</b>	G2.111.87.535	G2.149.	G3.495.
<b>Molecular Mimicry</b>	G2.111.87.560	G2.149.	G5.355.
<b>Nitrogen Cycle</b>	G2.111.87.599	G2.149. G2.842.	G2.607. G16.500.
<b>Nitrosation</b>	G2.111.87.612	G2.149. G2.607.	G2.149. G3.495.
<b>Nucleic Acid Denaturation</b>	G2.111.87.615	E5.393. G5.355.	G2.149.
<b>Nucleic Acid Hybridization</b>	G2.111.87.620	E5.393.	G2.149.
<b>Base Pairing</b>	G2.111.87.620.500	G2.111. G5.360.	G2.149.
<b>Nucleic Acid Renaturation</b>	G2.111.87.625	G2.149.	
<b>Osmosis</b>	G2.111.87.640	G1.154. G2.149. G2.149. G2.842.	G1.595. G2.149. G2.685. G2.842.
<b>Peptide Biosynthesis</b>	G2.111.87.675	G2.149.	G3.495.
<b>Aminoacylation</b>	G2.111.87.675.50	G2.111. G2.149. G2.607.	G2.149. G2.149. G3.495.
<b>Transfer RNA Aminoacylation</b>	G2.111.87.675.50.860	G3.495. G2.111. G2.149. G2.149.	G2.111. G2.149. G3.495.
<b>Peptide Biosynthesis, Nucleic Acid-Independent</b>	G2.111.87.675.333	G3.495.	G3.495.
<b>Protein Biosynthesis</b>	G2.111.87.675.871	G2.149. G5.355.	G3.495.
<b>Frameshifting, Ribosomal</b>	G2.111.87.675.871.200	G2.149. G5.355.	G3.495.
<b>Peptide Chain Elongation, Translational</b>	G2.111.87.675.871.640	G2.149.	G3.495.
<b>Peptide Chain Initiation, Translational</b>	G2.111.87.675.871.650	G2.149.	G3.495.
<b>Peptide Chain Termination, Translational</b>	G2.111.87.675.871.720	G2.149.	G3.495.
<b>Protein Modification, Translational</b>	G2.111.87.675.871.790	G2.111. G2.149. G5.355.	G2.149. G3.495.
<b>Protein Processing, Post-Translational</b>	G2.111.87.675.871.790.600	G2.111. G2.149. G5.355.	G2.149. G3.495.
<b>Protein Prenylation</b>	G2.111.87.675.871.790.600.400	G2.111. G2.149. G2.149. G3.495.	G2.111. G2.149. G3.495.
<b>Protein Splicing</b>	G2.111.87.675.871.790.600.700	G3.495. G2.111. G2.149.	G5.355. G2.149. G3.495.
<b>Ubiquitination</b>	G2.111.87.675.871.790.600.925	G5.355. G2.111. G2.149.	G2.149. G3.495.
<b>Sumoylation</b>	G2.111.87.675.871.790.600.925.500	G5.355. G2.111. G2.149.	G2.149. G3.495.

## G2 - CHEMICAL PHENOMENA

<b>Chemical Phenomena</b>			
<b>Biochemical Phenomena</b>			
<b>Biochemical Processes</b>			
<b>Peptide Biosynthesis</b>			
<b>Protein Biosynthesis</b>			
<b>Protein Modification, Translational</b>			
<b>Unfolded Protein Response</b>	G2.111.87.675.871.790.600.962	G2.111. G2.149. G5.355.	G2.149. G3.495.
<b>Endoplasmic Reticulum-Associated Degradation</b>	G2.111.87.675.871.790.600.962.500	G2.111. G2.149. G5.355.	G2.149. G3.495.
<b>Transfer RNA Aminoacylation</b>	G2.111.87.675.871.850	G2.111. G2.149. G2.149. G3.495.	G2.111. G2.149. G3.495.
<b>Phosphorylation</b>	G2.111.87.677	G2.149. G2.607. G3.495.	G2.149. G3.495.
<b>Oxidative Phosphorylation</b>	G2.111.87.677.550	G2.149. G3.495.	G3.495.
<b>Photophosphorylation</b>	G2.111.87.677.605	G2.111. G2.149. G2.149. G2.842. G3.495. G3.495.	G2.111. G2.149. G2.149. G3.495. G3.495.
<b>Phototrophic Processes</b>	G2.111.87.678	G2.149.	G3.495.
<b>Photosynthesis</b>	G2.111.87.678.700	G2.111. G2.149. G2.842. G3.495. G15.744.	G2.149. G2.149. G3.495. G3.495.
<b>Photophosphorylation</b>	G2.111.87.678.700.700	G2.111. G2.149. G2.149. G2.842. G3.495. G3.495.	G2.111. G2.149. G2.149. G3.495. G3.495.
<b>Prenylation</b>	G2.111.87.679	G2.149.	G3.495.
<b>Protein Prenylation</b>	G2.111.87.679.500	G2.111. G2.149. G2.149. G3.495. G3.495.	G2.111. G2.149. G3.495. G5.355.
<b>Protein Binding</b>	G2.111.87.680	G2.149.	G3.495.
<b>Protein Carbonylation</b>	G2.111.87.682	G2.149.	G3.495.
<b>Protein Folding</b>	G2.111.87.690	G1.154. G2.149.	G1.595.
<b>Protein Refolding</b>	G2.111.87.690.501	E5.790 G1.595.	G1.154. G2.149.
<b>Protein Renaturation</b>	G2.111.87.690.501.500	G2.149.	
<b>Protein Unfolding</b>	G2.111.87.690.750	E5.793 G1.595.	G1.154. G2.149.
<b>Protein Denaturation</b>	G2.111.87.690.750.500	E5.793. G1.595.	G1.154. G2.149.
<b>Protein Modification, Translational</b>	G2.111.87.693	G2.111. G2.149. G5.355.	G2.149. G3.495.
<b>Protein Processing, Post-Translational</b>	G2.111.87.693.600	G2.111. G2.149. G5.355.	G2.149. G3.495.
<b>Protein Prenylation</b>	G2.111.87.693.600.400	G2.111. G2.149. G2.149. G3.495.	G2.111. G2.149. G3.495. G5.355.

## G2 - CHEMICAL PHENOMENA

<b>Chemical Phenomena</b>				
<b>Biochemical Phenomena</b>				
<b>Biochemical Processes</b>				
<b>Protein Modification, Translational</b>				
<b>Protein Processing, Post-Translational</b>				
<b>Protein Splicing</b>				
<b>Protein Splicing</b>	G2.111.87.693.600.700		G2.111. G2.149. G5.355.	G2.149. G3.495.
<b>Ubiquitination</b>	G2.111.87.693.600.775		G2.111. G2.149. G5.355.	G2.149. G3.495.
<b>Sumoylation</b>	G2.111.87.693.600.775.500		G2.111. G2.149. G5.355.	G2.149. G3.495.
<b>Unfolded Protein Response</b>	G2.111.87.693.600.850		G2.111. G2.149. G5.355.	G2.149. G3.495.
<b>Endoplasmic Reticulum-Associated Degradation</b>	G2.111.87.693.600.850.500		G2.111. G2.149. G5.355.	G2.149. G3.495.
<b>Protein Multimerization</b>	G2.111.87.697		G2.149.	
<b>Proteolysis</b>	G2.111.87.710		G2.149.	G3.495.
<b>RNA Cleavage</b>	G2.111.87.723		G2.149.	G5.355.
<b>RNA Folding</b>	G2.111.87.736		G1.154. G2.111. G5.360.	G1.595. G2.149.
<b>RNA Processing, Post-Transcriptional</b>	G2.111.87.750		G2.149. G5.355.	G3.495.
<b>Nonsense Mediated mRNA Decay</b>	G2.111.87.750.112		G2.111. G3.495.	G2.149. G5.355.
<b>RNA 3' End Processing</b>	G2.111.87.750.225		G2.149. G5.355.	G3.495.
<b>Polyadenylation</b>	G2.111.87.750.225.710		G2.149. G5.355.	G3.495.
<b>RNA Editing</b>	G2.111.87.750.250		G2.149. G5.355.	G3.495.
<b>RNA Splicing</b>	G2.111.87.750.700		G2.149. G5.355.	G3.495.
<b>Alternative Splicing</b>	G2.111.87.750.700.100		G2.149. G5.355.	G3.495.
<b>Trans-Splicing</b>	G2.111.87.750.700.750		G2.149. G5.355.	G3.495.
<b>Signal Transduction</b>	G2.111.87.800		G2.149.	G4.299.
<b>Ion Channel Gating</b>	G2.111.87.800.400		G2.149. G4.299. G7.700.	G4.299. G7.265.
<b>Light Signal Transduction</b>	G2.111.87.800.480		G2.149.	G4.299.
<b>Vision, Ocular</b>	G2.111.87.800.480.900		F2.830. G4.299. G14.640.	G2.149. G11.561.
<b>MAP Kinase Signaling System</b>	G2.111.87.800.560		G2.149. G4.299.	G3.495.
<b>Mechanotransduction, Cellular</b>	G2.111.87.800.580		G1.154. G2.149.	G1.595. G4.299.
<b>Second Messenger Systems</b>	G2.111.87.800.800		G2.149.	G4.299.
<b>Calcium Signaling</b>	G2.111.87.800.800.100		G2.149. G4.299.	G3.495.
<b>Excitation Contraction Coupling</b>	G2.111.87.800.800.100.500		G4.299.	G11.427.
<b>Synaptic Transmission</b>	G2.111.87.800.850		G2.149. G7.265. G11.561.	G4.299. G7.700.
<b>Postsynaptic Potential Summation</b>	G2.111.87.800.850.500		G2.149. G4.580. G7.265. G11.561.	G4.299. G7.265. G7.700. G11.561.

## G2 - CHEMICAL PHENOMENA

### Chemical Phenomena

#### Biochemical Phenomena

#### Biochemical Processes

#### Substrate Cycling

#### Substrate Cycling

#### Transcription, Genetic

#### Reverse Transcription

#### Transcription Elongation, Genetic

#### Transcription Initiation, Genetic

#### Transcription Termination, Genetic

#### Transcriptome

#### Up-Regulation

#### Body Composition

#### Body Fat Distribution

#### Adiposity

#### Brain Chemistry

#### Kinetics

#### Membrane Fluidity

#### Molecular Structure

#### Amino Acid Sequence

#### Amino Acid Motifs

#### F-Box Motifs

#### Immunoreceptor Tyrosine-Based Activation Motif

#### Immunoreceptor Tyrosine-Based Inhibition Motif

#### Exteins

#### Histone Code

#### Immunoglobulin Variable Region

#### Binding Sites, Antibody

#### Complementarity Determining Regions

#### Immunoglobulin Idiotypes

#### Inteins

#### Peptide Library

#### Protein Sorting Signals

#### Nuclear Export Signals

#### Nuclear Localization Signals

#### Repetitive Sequences, Amino Acid

#### Ankyrin Repeat

#### Base Sequence

#### AT Rich Sequence

#### GC Rich Sequence

#### CpG Islands

#### Matrix Attachment Regions

#### Nucleotide Motifs

#### Regulatory Sequences, Nucleic Acid

#### Enhancer Elements, Genetic

#### E-Box Elements

#### HIV Enhancer

G2.111.87.820	G2.149.	G3.495.
G2.111.87.847	G2.149.	G5.355.
G2.111.87.847.500	G2.149.	G5.355.
G2.111.87.847.562	G2.149.	G5.355.
G2.111.87.847.625	G2.149.	G5.355.
G2.111.87.847.687	G2.149.	G5.355.
G2.111.87.847.750	G2.149.	G5.355.
	G5.360.	
G2.111.87.880	G2.149.	G5.355.
	G7.690.	G7.700.
G2.111.97	G3.180	G7.100.
G2.111.97.134	E1.370.	G3.180.
	G7.100.	
G2.111.97.134.500	E1.370.	G3.180.
	G7.100.	
G2.111.100	G3.200	
G2.111.325	G1.374.	
G2.111.550	G1.154.	G4.570
G2.111.570	G2.575	G2.842.
G2.111.570.60	L1.453.	
G2.111.570.60.40	G2.111.	
G2.111.570.60.40.500	G2.111.	
G2.111.570.60.40.750	G2.111.	
G2.111.570.60.40.875	G2.111.	
G2.111.570.60.270		
G2.111.570.60.360	G5.360.	
G2.111.570.60.425	D12.644.	D12.776.
	D12.776.	D12.776.
	D12.776.	D12.776.
	D12.776.	D12.776.
G2.111.570.60.425.79	G2.111.	G12.125
	G12.425.	
G2.111.570.60.425.160	D12.644.	D12.776.
	D12.776.	D12.776.
	D12.776.	D12.776.
	D12.776.	D12.776.
G2.111.570.60.425.580	D12.644.	D12.776.
	D12.776.	D12.776.
	D23.50.	G12.500.
G2.111.570.60.440		
G2.111.570.60.620	D12.644.	G5.360.
G2.111.570.60.670	D12.644.	
G2.111.570.60.670.600	D12.644.	
G2.111.570.60.670.610	D12.644.	
G2.111.570.60.720		
G2.111.570.60.720.30	G2.111.	G2.111.
G2.111.570.80	G5.360.	L1.453.
G2.111.570.80.40	G5.360.	
G2.111.570.80.380	G5.360.	
G2.111.570.80.380.160	G5.360.	G5.360.
G2.111.570.80.534	G5.360.	
G2.111.570.80.611	G2.111.	G5.360.
	G5.360.	
G2.111.570.80.689	G5.360.	
G2.111.570.80.689.330	G5.360.	G5.360.
G2.111.570.80.689.330.240	G5.360.	G5.360.
G2.111.570.80.689.330.400	G2.111.	G5.360.
	G5.360.	G5.360.

## G2 - CHEMICAL PHENOMENA

### Chemical Phenomena

#### Biochemical Phenomena

##### Molecular Structure

##### Base Sequence

##### Regulatory Sequences, Nucleic Acid

##### Enhancer Elements, Genetic

##### Response Elements

G2.111.570.80.689.330.700

G2.111.

G5.360.

G5.360.

G5.360.

G5.360.

##### Serum Response Element

G2.111.570.80.689.330.700.800

G2.111.

G5.360.

G5.360.

G5.360.

G5.360.

##### Vitamin D Response Element

G2.111.570.80.689.330.700.920

G2.111.

G5.360.

G5.360.

G5.360.

G5.360.

##### Insulator Elements

G2.111.570.80.689.390

G5.360.

G5.360.

##### Locus Control Region

G2.111.570.80.689.450

G5.360.

G5.360.

##### Operator Regions, Genetic

G2.111.570.80.689.650

G5.360.

G5.360.

G5.360.

##### Promoter Regions, Genetic

G2.111.570.80.689.675

G5.360.

G5.360.

##### Response Elements

G2.111.570.80.689.675.700

G2.111.

G5.360.

G5.360.

G5.360.

G5.360.

##### Antioxidant Response Elements

G2.111.570.80.689.675.700.40

G5.360.

G5.360.

##### Serum Response Element

G2.111.570.80.689.675.700.800

G2.111.

G5.360.

G5.360.

G5.360.

G5.360.

##### Vitamin D Response Element

G2.111.570.80.689.675.700.920

G2.111.

G5.360.

G5.360.

G5.360.

G5.360.

##### TATA Box

G2.111.570.80.689.675.850

G5.360.

G5.360.

##### Regulatory Sequences, Ribonucleic Acid

G2.111.570.80.689.687

D13.444.

G5.360.

##### AU Rich Elements

G2.111.570.80.689.687.61

G5.360.

G5.360.

G5.360.

##### Riboswitch

G2.111.570.80.689.687.124

D13.444.

D13.444.

G5.360.

##### RNA 3' Polyadenylation Signals

G2.111.570.80.689.687.249

G5.360.

G5.360.

##### RNA 5' Terminal Oligopyrimidine Sequence

G2.111.570.80.689.687.275

G5.360.

G5.360.

##### RNA Splice Sites

G2.111.570.80.689.687.490

D13.444.

G5.360.

G5.360.

##### Silencer Elements, Transcriptional

G2.111.570.80.689.755

G5.360.

G5.360.

##### Terminator Regions, Genetic

G2.111.570.80.689.810

G5.360.

G5.360.

##### Repetitive Sequences, Nucleic Acid

G2.111.570.80.708

G5.360.

G5.360.

##### Interspersed Repetitive Sequences

G2.111.570.80.708.330

G5.360.

G5.360.

##### DNA Transposable Elements

G2.111.570.80.708.330.200

D13.444.

G5.360.

G5.360.

##### Integrans

G2.111.570.80.708.330.200.500

G5.360.

G5.360.

##### Genomic Islands

G2.111.570.80.708.330.330

G5.360.

G5.360.

##### Retroelements

G2.111.570.80.708.330.800

D13.444.

G5.360.

G5.360.

##### Endogenous Retroviruses

G2.111.570.80.708.330.800.175

B4.820.

B4.909.

B4.909.

G5.360.

G5.360.

##### Genes, Intracisternal A-Particle

G2.111.570.80.708.330.800.200

G5.360.

G5.360.

G5.360.

G5.360.

##### Long Interspersed Nucleotide Elements

G2.111.570.80.708.330.800.400

G5.360.

G5.360.

##### Short Interspersed Nucleotide Elements

G2.111.570.80.708.330.800.800

G5.360.

G5.360.

##### Alu Elements

G2.111.570.80.708.330.800.800.50

G5.360.

G5.360.

##### Segmental Duplications, Genomic

G2.111.570.80.708.565

G5.360.

G5.360.

##### Tandem Repeat Sequences

G2.111.570.80.708.800

G5.360.

G5.360.

##### DNA Repeat Expansion

G2.111.570.80.708.800.140

G5.355.

G5.360.

G5.360.

G5.360.

G5.365.

## G2 - CHEMICAL PHENOMENA

<b>Chemical Phenomena</b>				
<b>Biochemical Phenomena</b>				
<b>Molecular Structure</b>				
<b>Base Sequence</b>				
<b>Repetitive Sequences, Nucleic Acid</b>				
<b>Tandem Repeat Sequences</b>				
<b>Trinucleotide Repeat Expansion</b>	G2.111.570.80.708.800.140.865	G2.111. G5.360. G5.360. G5.365.	G5.355. G5.360. G5.360.	
<b>DNA, Satellite</b>	G2.111.570.80.708.800.150	G2.111.570.80.708.800.150	D13.444.	G5.360. G5.360.
<b>Inverted Repeat Sequences</b>	G2.111.570.80.708.800.325	G2.111.570.80.708.800.325	G5.360.	
<b>Clustered Regularly Interspaced Short Palindromic Repeats</b>	G2.111.570.80.708.800.325.500	G2.111.570.80.708.800.500	G5.360.	G5.360.
<b>Microsatellite Repeats</b>	G2.111.570.80.708.800.500	G2.111.570.80.708.800.500.150	G5.360.	G5.360.
<b>Dinucleotide Repeats</b>	G2.111.570.80.708.800.500.850	G2.111.570.80.708.800.500.850	G5.360.	G5.360.
<b>Trinucleotide Repeats</b>	G2.111.570.80.708.800.500.850.200	G2.111.570.80.708.800.500.850.200	G2.111. G5.360. G5.360. G5.365.	G5.355. G5.360. G5.360.
<b>Trinucleotide Repeat Expansion</b>				
<b>Minisatellite Repeats</b>	G2.111.570.80.708.800.550	G2.111.570.80.708.800.550	G5.360.	G5.360.
<b>Terminal Repeat Sequences</b>	G2.111.570.80.708.850	G2.111.570.80.708.850.400	G5.360.	
<b>HIV Long Terminal Repeat</b>	G2.111.570.80.708.850.400	G2.111.570.80.708.850.400.400	G5.360.	
<b>HIV Enhancer</b>	G2.111.570.80.708.850.400.400	G2.111.570.80.708.850.400.400	G2.111. G5.360.	G5.360. G5.360.
<b>Binding Sites</b>	G2.111.570.120	G2.111.570.120.147		
<b>Allosteric Site</b>	G2.111.570.120.147	G2.111.570.120.290	G2.111.	
<b>Bay-Region, Polycyclic Aromatic Hydrocarbon</b>	G2.111.570.120.290	G2.111.570.120.309	E5.196.	G2.111.
<b>Binding, Competitive</b>	G2.111.570.120.309		G2.149.	
<b>Binding Sites, Antibody</b>	G2.111.570.120.408	G2.111.570.120.408	G2.111. G12.425.	G12.125
<b>Catalytic Domain</b>	G2.111.570.120.704	G2.111.570.160	G2.111.	
<b>Carbohydrate Sequence</b>	G2.111.570.160	G2.111.570.580	L1.453.	
<b>Conserved Sequence</b>	G2.111.570.580	G2.111.570.580.175		
<b>Consensus Sequence</b>	G2.111.570.580.175	G2.111.570.580.175.500	E5.318.	E5.393.
<b>Position-Specific Scoring Matrices</b>	G2.111.570.580.175.500	G2.111.570.790	G2.575.	G2.842.
<b>Molecular Conformation</b>	G2.111.570.790	G2.111.570.790.117	G2.111.	
<b>Bay-Region, Polycyclic Aromatic Hydrocarbon</b>	G2.111.570.790.117	G2.111.570.790.235		
<b>Carbohydrate Conformation</b>	G2.111.570.790.235	G2.111.570.790.486	G5.360.	
<b>Nucleic Acid Conformation</b>	G2.111.570.790.486	G2.111.570.790.486.100	G2.111. G5.360.	G2.149.
<b>Base Pairing</b>	G2.111.570.790.486.100	G2.111.570.790.486.128	D13.444.	G5.360.
<b>DNA, A-Form</b>	G2.111.570.790.486.128	G2.111.570.790.486.142	D13.444.	G5.360.
<b>DNA, B-Form</b>	G2.111.570.790.486.142	G2.111.570.790.486.156	D13.444.	G5.360.
<b>DNA, C-Form</b>	G2.111.570.790.486.156	G2.111.570.790.486.212	D13.444.	G5.360.
<b>DNA, Circular</b>	G2.111.570.790.486.212	G2.111.570.790.486.212.84	D2.251.	D13.444.
<b>DNA, Catenated</b>	G2.111.570.790.486.212.84	G2.111.570.790.486.212.250	G5.360. D13.444.	G5.360.
<b>DNA, Superhelical</b>	G2.111.570.790.486.212.250	G2.111.570.790.486.268	D13.444.	G5.360.
<b>DNA, Concatenated</b>	G2.111.570.790.486.268	G2.111.570.790.486.325	D13.444.	G5.360.
<b>DNA, Cruciform</b>	G2.111.570.790.486.325	G2.111.570.790.486.437	D13.444.	G5.360.
<b>DNA, Single-Stranded</b>	G2.111.570.790.486.437	G2.111.570.790.486.493	D13.444.	G5.360.
<b>DNA, Z-Form</b>	G2.111.570.790.486.493	G2.111.570.790.486.550	G5.360.	
<b>G-Quadruplexes</b>	G2.111.570.790.486.550	G2.111.570.790.486.662	G2.111. G5.360.	G5.360.
<b>Nucleotide Motifs</b>	G2.111.570.790.486.662			
<b>RNA Folding</b>	G2.111.570.790.486.718	G2.111.570.790.486.718	G1.154. G2.111. G5.360.	G1.595. G2.149.
<b>RNA, Double-Stranded</b>	G2.111.570.790.486.775	G2.111.570.790.709	D13.444.	G5.360.
<b>Protein Conformation</b>	G2.111.570.790.709	G2.111.570.790.550		
<b>Protein Structure, Quaternary</b>	G2.111.570.790.709.550			



## G2 - CHEMICAL PHENOMENA

<b>Chemical Phenomena</b>			
<b>Biochemical Phenomena</b>			
<b>Molecular Structure</b>			
<b>Molecular Conformation</b>			
<b>Protein Conformation</b>			
<b>Protein Structure, Secondary</b>			
<b>Protein Structure, Secondary</b>	G2.111.570.790.709.600		
<b>Amino Acid Motifs</b>	G2.111.570.790.709.600.40	G2.111.	
<b>Ankyrin Repeat</b>	G2.111.570.790.709.600.40.30	G2.111.	G2.111.
<b>AT-Hook Motifs</b>	G2.111.570.790.709.600.40.50		
<b>Cystine Knot Motifs</b>	G2.111.570.790.709.600.40.127		
<b>F-Box Motifs</b>	G2.111.570.790.709.600.40.205	G2.111.	
<b>Helix-Loop-Helix Motifs</b>	G2.111.570.790.709.600.40.360		
<b>EF Hand Motifs</b>	G2.111.570.790.709.600.40.360.240		
<b>Helix-Turn-Helix Motifs</b>	G2.111.570.790.709.600.40.360.360		
<b>Immunoreceptor Tyrosine-Based Activation Motif</b>	G2.111.570.790.709.600.40.440	G2.111.	
<b>Immunoreceptor Tyrosine-Based Inhibition Motif</b>	G2.111.570.790.709.600.40.480	G2.111.	
<b>Leucine Zippers</b>	G2.111.570.790.709.600.40.520		
<b>Proline-Rich Protein Domains</b>	G2.111.570.790.709.600.40.752		
<b>Zinc Fingers</b>	G2.111.570.790.709.600.40.985		
<b>RING Finger Domains</b>	G2.111.570.790.709.600.40.985.500	G2.111.	
<b>Protein Structure, Tertiary</b>	G2.111.570.790.709.610		
<b>Catalytic Domain</b>	G2.111.570.790.709.610.189	G2.111.	
<b>HMG-Box Domains</b>	G2.111.570.790.709.610.380		
<b>Kringles</b>	G2.111.570.790.709.610.480		
<b>Protein Interaction Domains and Motifs</b>	G2.111.570.790.709.610.640		
<b>Ankyrin Repeat</b>	G2.111.570.790.709.610.640.80	G2.111.	G2.111.
<b>PDZ Domains</b>	G2.111.570.790.709.610.640.500		
<b>RING Finger Domains</b>	G2.111.570.790.709.610.640.625	G2.111.	
<b>src Homology Domains</b>	G2.111.570.790.709.610.640.750		
<b>Structural Homology, Protein</b>	G2.111.570.790.709.805	G2.111.	G5.820
<b>Osmoregulation</b>	G2.111.635	G3.615	G7.700.
<b>Water-Electrolyte Balance</b>	G2.111.635.500	G3.615.	G7.700.
<b>Kallikrein-Kinin System</b>	G2.111.635.500.500	G3.495.	G3.615.
		G7.700.	G9.330.
<b>Water Loss, Insensible</b>	G2.111.635.500.750	G3.615.	G7.700.
<b>Protein Aggregation, Pathological</b>	G2.111.668	C23.550.	
<b>Protein Stability</b>	G2.111.700		
<b>Enzyme Stability</b>	G2.111.700.500	E5.916.	
<b>RNA Stability</b>	G2.111.780		
<b>Nonsense Mediated mRNA Decay</b>	G2.111.780.500	G2.111.	G2.149.
		G3.495.	G5.355.
<b>Sequence Homology</b>	G2.111.810	G5.810	
<b>Sequence Homology, Amino Acid</b>	G2.111.810.200	G5.810.	
<b>Structural Homology, Protein</b>	G2.111.810.200.820	G2.111.	G5.820
<b>Sequence Homology, Nucleic Acid</b>	G2.111.810.550	G5.810.	
<b>Synten</b>	G2.111.810.550.830	G5.810.	
<b>Structure-Activity Relationship</b>	G2.111.830	G7.690.	
<b>Quantitative Structure-Activity Relationship</b>	G2.111.830.500	G7.690.	
<b>Substrate Specificity</b>	G2.111.835		
<b>Th1-Th2 Balance</b>	G2.111.840		
<b>Chemical Processes</b>	G2.149		
<b>Air Ionization</b>	G2.149.60	G2.149.	G2.842.
		G16.500.	N6.230.
<b>Biochemical Processes</b>	G2.149.115	G2.111.	
<b>Acylation</b>	G2.149.115.19	G2.111.	G2.149.
		G2.607.	G3.495.
<b>Acetylation</b>	G2.149.115.19.52	G2.111.	G2.149.
		G2.607.	G3.495.
<b>Aminoacylation</b>	G2.149.115.19.55	G2.111.	G2.111.
		G2.149.	G2.149.
		G2.607.	G3.495.
		G3.495.	

## G2 - CHEMICAL PHENOMENA

<b>Chemical Phenomena</b>			
<b>Chemical Processes</b>			
<b>Biochemical Processes</b>			
<b>Acylation</b>			
<b>Aminoacylation</b>			
<b>Transfer RNA Aminoacylation</b>			
<b>Transfer RNA Aminoacylation</b>	G2.149.115.19.55.860	G2.111. G2.111. G2.149. G3.495.	G2.111. G2.149. G3.495.
<b>Aerobiosis</b>	G2.149.115.24	G2.111.	G3.495.
<b>Agglutination</b>	G2.149.115.26	G2.111.	G12.425.
<b>Hemagglutination</b>	G2.149.115.26.500	G2.111.	G12.425.
<b>Hemagglutination, Viral</b>	G2.149.115.26.500.500	G2.111. G6.920.	G6.590.
<b>Alkylation</b>	G2.149.115.29	G2.111. G2.607.	G2.149. G3.495.
<b>Methylation</b>	G2.149.115.29.538	G2.111. G2.607.	G2.149. G3.495.
<b>DNA Methylation</b>	G2.149.115.29.538.161	G2.111. G2.149. G5.355.	G2.111. G3.495.
<b>Allosteric Regulation</b>	G2.149.115.40	G2.111.	
<b>Amination</b>	G2.149.115.45	G2.111. G2.607.	G2.149. G3.495.
<b>Anaerobiosis</b>	G2.149.115.50	G2.111.	G3.495.
<b>Autotrophic Processes</b>	G2.149.115.70	G2.111.	G3.495.
<b>Chemoautotrophic Growth</b>	G2.149.115.70.314	G2.111.	G3.495.
<b>Nitrogen Fixation</b>	G2.149.115.70.630	G2.111. G6.99. G6.590.	G3.495. G6.590.
<b>Binding, Competitive</b>	G2.149.115.90	E5.196. G2.111.	G2.111.
<b>Biocatalysis</b>	G2.149.115.95	G2.111. G2.149. G3.495.	G2.149. G2.842.
<b>Biosynthetic Pathways</b>	G2.149.115.126	G2.111.	G3.495.
<b>Biotinylation</b>	G2.149.115.157	E5.393. G3.495.	G2.111.
<b>Carbohydrate Metabolism</b>	G2.149.115.160	G2.111.	G3.495.
<b>Fermentation</b>	G2.149.115.160.249	G2.111.	G3.495.
<b>Gluconeogenesis</b>	G2.149.115.160.500	G2.111.	G3.495.
<b>Glycogenolysis</b>	G2.149.115.160.625	G2.111.	G3.495.
<b>Glycolysis</b>	G2.149.115.160.750	G2.111. G3.495.	G3.495.
<b>Glycosylation</b>	G2.149.115.160.812	G2.111. G2.607.	G2.149. G3.495.
<b>Pentose Phosphate Pathway</b>	G2.149.115.160.875	G2.111. G3.495.	G3.495.
<b>Photosynthesis</b>	G2.149.115.160.937	G2.111. G2.149. G2.842. G3.495.	G2.111. G2.149. G3.495.
<b>Photophosphorylation</b>	G2.149.115.160.937.700	G15.744. G2.111. G2.111. G2.149. G2.842. G3.495. G3.495.	G2.111. G2.149. G2.149. G3.495.
<b>Citric Acid Cycle</b>	G2.149.115.165	G2.111. G3.495.	G3.495.
<b>Cyclization</b>	G2.149.115.170	G2.111. G2.607.	G2.149. G3.495.
<b>Dealkylation</b>	G2.149.115.200	G2.111. G2.607.	G2.149. G3.495.

## G2 - CHEMICAL PHENOMENA

Chemical Phenomena  
 Chemical Processes  
 Biochemical Processes  
 Deamination

<b>Deamination</b>	G2.149.115.205	G2.111. G2.607.	G2.149. G3.495.
<b>Decarboxylation</b>	G2.149.115.210	G2.111. G2.607.	G2.149. G3.495.
<b>Dimerization</b>	G2.149.115.215	G2.111. G3.495.	G2.149.
<b>DNA Cleavage</b>	G2.149.115.217	G2.111.	G5.355.
<b>DNA Methylation</b>	G2.149.115.218	G2.111. G2.149. G5.355.	G2.111. G3.495.
<b>DNA Repair</b>	G2.149.115.219	G2.111.	G5.355.
<b>DNA End-Joining Repair</b>	G2.149.115.219.200	G2.111.	G5.355.
<b>DNA Mismatch Repair</b>	G2.149.115.219.220	G2.111.	G5.355.
<b>Recombinational DNA Repair</b>	G2.149.115.219.700	G2.111. G5.355.	G5.355.
<b>SOS Response (Genetics)</b>	G2.149.115.219.830	G2.111.	G5.355.
<b>DNA Replication</b>	G2.149.115.222	G2.111.	G5.355.
<b>DNA Replication Timing</b>	G2.149.115.222.760	G2.111.	G5.355.
<b>S Phase</b>	G2.149.115.222.880	G2.111. G5.355.	G4.299.
<b>Telomere Shortening</b>	G2.149.115.222.940	G2.111. G5.355.	G4.299.
<b>Down-Regulation</b>	G2.149.115.225	G2.111.	G5.355.
<b>Electron Transport</b>	G2.149.115.240	G7.690. G2.111.	G7.700. G3.495.
<b>Energy Transfer</b>	G2.149.115.242	G3.495. G1.154. G2.111.	G1.595. G2.149.
<b>Fluorescence Resonance Energy Transfer</b>	G2.149.115.242.280	G2.842. E5.196.	G1.154.
<b>Linear Energy Transfer</b>	G2.149.115.242.400	G1.595. G1.154. G2.111.	G2.111. G1.595. G2.149.
<b>Enzyme Activation</b>	G2.149.115.245	G2.111.	G3.495.
<b>Esterification</b>	G2.149.115.451	G2.111. G2.607.	G2.149. G3.495.
<b>Evolution, Chemical</b>	G2.149.115.468	G1.60. G2.111.	G1.595. G2.149.
<b>Halogenation</b>	G2.149.115.485	G2.111.	G3.495.
<b>Heterotrophic Processes</b>	G2.149.115.490	G2.111.	G3.495.
<b>Hydrogenation</b>	G2.149.115.497	G2.111. G2.607.	G2.149. G3.495.
<b>Hydrolysis</b>	G2.149.115.505	G2.111. G3.495.	G2.149.
<b>Hydroxylation</b>	G2.149.115.512	G2.111. G2.607.	G2.149. G3.495.
<b>Lipid Peroxidation</b>	G2.149.115.520	G2.111.	G3.495.
<b>Lipogenesis</b>	G2.149.115.525	G2.111.	G3.495.
<b>Lipolysis</b>	G2.149.115.530	G2.111.	G3.495.
<b>Lipoylation</b>	G2.149.115.535	G2.111.	G3.495.
<b>Molecular Mimicry</b>	G2.149.115.560	G2.111.	G5.355.
<b>Nitrogen Cycle</b>	G2.149.115.599	G2.111. G2.842.	G2.607. G16.500.
<b>Nitrosation</b>	G2.149.115.612	G2.111. G2.607.	G2.149. G3.495.
<b>Nucleic Acid Denaturation</b>	G2.149.115.615	E5.393. G5.355.	G2.111.
<b>Nucleic Acid Hybridization</b>	G2.149.115.620	E5.393.	G2.111.

## G2 - CHEMICAL PHENOMENA

### Chemical Phenomena

#### Chemical Processes

#### Biochemical Processes

#### Nucleic Acid Hybridization

#### Base Pairing

#### Base Pairing

G2.149.115.620.500

G2.111.  
G5.360.

G2.111.

#### Nucleic Acid Renaturation

G2.149.115.625

G2.111.

#### Osmosis

G2.149.115.640

G1.154.

G1.595.

G2.111.

G2.149.

G2.149.

G2.685.

G2.842.

G2.842.

#### Peptide Biosynthesis

G2.149.115.675

G2.111.

G3.495.

#### Aminoacylation

G2.149.115.675.50

G2.111.

G2.111.

G2.149.

G2.149.

G2.607.

G3.495.

G3.495.

#### Transfer RNA Aminoacylation

G2.149.115.675.50.860

G2.111.

G2.111.

G2.111.

G2.149.

G2.149.

G3.495.

G3.495.

G3.495.

#### Peptide Biosynthesis, Nucleic Acid-Independent

G2.149.115.675.333

G2.111.

G3.495.

#### Protein Biosynthesis

G2.149.115.675.871

G2.111.

G3.495.

G5.355.

#### Frameshifting, Ribosomal

G2.149.115.675.871.200

G2.111.

G3.495.

G5.355.

#### Peptide Chain Elongation, Translational

G2.149.115.675.871.640

G2.111.

G3.495.

#### Peptide Chain Initiation, Translational

G2.149.115.675.871.650

G2.111.

G3.495.

#### Peptide Chain Termination, Translational

G2.149.115.675.871.720

G2.111.

G3.495.

#### Protein Modification, Translational

G2.149.115.675.871.790

G2.111.

G2.111.

G2.149.

G3.495.

G5.355.

#### Protein Processing, Post-Translational

G2.149.115.675.871.790.600

G2.111.

G2.111.

G2.149.

G3.495.

G5.355.

#### Protein Prenylation

G2.149.115.675.871.790.600.400

G2.111.

G2.111.

G2.111.

G2.149.

G2.149.

G3.495.

G3.495.

G5.355.

#### Protein Splicing

G2.149.115.675.871.790.600.700

G2.111.

G2.111.

G2.149.

G3.495.

G5.355.

#### Ubiquitination

G2.149.115.675.871.790.600.831

G2.111.

G2.111.

G2.149.

G3.495.

G5.355.

#### Sumoylation

G2.149.115.675.871.790.600.831.500

G2.111.

G2.111.

G2.149.

G3.495.

G5.355.

#### Unfolded Protein Response

G2.149.115.675.871.790.600.850

G2.111.

G2.111.

G2.149.

G3.495.

G5.355.

#### Endoplasmic Reticulum-Associated Degradation

G2.149.115.675.871.790.600.850.500

G2.111.

G2.111.

G2.149.

G3.495.

G5.355.

#### Transfer RNA Aminoacylation

G2.149.115.675.871.850

G2.111.

G2.111.

G2.111.

G2.149.

G2.149.

G3.495.

G3.495.

G3.495.

#### Phosphorylation

G2.149.115.677

G2.111.

G2.149.

G2.607.

G3.495.

#### Oxidative Phosphorylation

G2.149.115.677.550

G2.111.

G3.495.

G3.495.

## G2 - CHEMICAL PHENOMENA

<b>Chemical Phenomena</b>			
<b>Chemical Processes</b>			
<b>Biochemical Processes</b>			
<b>Phosphorylation</b>			
<b>Photophosphorylation</b>			
<b>Photophosphorylation</b>	G2.149.115.677.605	G2.111. G2.111. G2.149. G2.842. G3.495. G3.495.	G2.111. G2.149. G2.149. G3.495. G3.495.
<b>Phototrophic Processes</b>	G2.149.115.678	G2.111.	G3.495.
<b>Photosynthesis</b>	G2.149.115.678.700	G2.111. G2.149. G2.842. G3.495. G3.495.	G2.111. G2.149. G3.495. G3.495.
<b>Photophosphorylation</b>	G2.149.115.678.700.700	G15.744. G2.111. G2.111. G2.149. G2.842. G3.495. G3.495.	G2.111. G2.149. G2.149. G3.495. G3.495.
<b>Prenylation</b>	G2.149.115.679	G2.111.	G3.495.
<b>Protein Prenylation</b>	G2.149.115.679.500	G2.111. G2.111. G2.149. G3.495.	G2.111. G2.149. G3.495. G5.355.
<b>Protein Binding</b>	G2.149.115.680	G2.111.	G3.495.
<b>Protein Carbonylation</b>	G2.149.115.682	G2.111.	G3.495.
<b>Protein Folding</b>	G2.149.115.690	G1.154. G2.111.	G1.595. G2.111.
<b>Protein Refolding</b>	G2.149.115.690.501	E5.790 G1.595.	G1.154. G2.111.
<b>Protein Renaturation</b>	G2.149.115.690.501.500	G2.111.	
<b>Protein Unfolding</b>	G2.149.115.690.750	E5.793 G1.595.	G1.154. G2.111.
<b>Protein Denaturation</b>	G2.149.115.690.750.500	E5.793. G1.595.	G1.154. G2.111.
<b>Protein Modification, Translational</b>	G2.149.115.693	G2.111. G2.149. G5.355.	G2.111. G3.495.
<b>Protein Processing, Post-Translational</b>	G2.149.115.693.600	G2.111. G2.149. G5.355.	G2.111. G3.495.
<b>Protein Prenylation</b>	G2.149.115.693.600.400	G2.111. G2.111. G2.149. G3.495.	G2.111. G2.149. G3.495. G5.355.
<b>Protein Splicing</b>	G2.149.115.693.600.700	G2.111. G2.149. G5.355.	G2.111. G3.495.
<b>Ubiquitination</b>	G2.149.115.693.600.850	G2.111. G2.149. G5.355.	G2.111. G3.495.
<b>Sumoylation</b>	G2.149.115.693.600.850.500	G2.111. G2.149. G5.355.	G2.111. G3.495.
<b>Unfolded Protein Response</b>	G2.149.115.693.600.925	G2.111. G2.149. G5.355.	G2.111. G3.495.
<b>Endoplasmic Reticulum-Associated Degradation</b>	G2.149.115.693.600.925.500	G2.111. G2.149. G5.355.	G2.111. G3.495.
<b>Protein Multimerization</b>	G2.149.115.697	G2.111.	

## G2 - CHEMICAL PHENOMENA

**Chemical Phenomena**  
**Chemical Processes**  
**Biochemical Processes**  
**Proteolysis**

Proteolysis	G2.149.115.710	G2.111.	G3.495.
RNA Cleavage	G2.149.115.723	G2.111.	G5.355.
RNA Folding	G2.149.115.736	G1.154.	G1.595.
		G2.111.	G2.111.
		G5.360.	
<b>RNA Processing, Post-Transcriptional</b>	G2.149.115.750	G2.111.	G3.495.
		G5.355.	
<b>Nonsense Mediated mRNA Decay</b>	G2.149.115.750.112	G2.111.	G2.111.
		G3.495.	G5.355.
<b>RNA 3' End Processing</b>	G2.149.115.750.225	G2.111.	G3.495.
		G5.355.	
<b>Polyadenylation</b>	G2.149.115.750.225.710	G2.111.	G3.495.
		G5.355.	
<b>RNA Editing</b>	G2.149.115.750.250	G2.111.	G3.495.
		G5.355.	
<b>RNA Splicing</b>	G2.149.115.750.700	G2.111.	G3.495.
		G5.355.	
<b>Alternative Splicing</b>	G2.149.115.750.700.100	G2.111.	G3.495.
		G5.355.	
<b>Trans-Splicing</b>	G2.149.115.750.700.750	G2.111.	G3.495.
		G5.355.	
<b>Signal Transduction</b>	G2.149.115.800	G2.111.	G4.299.
<b>Ion Channel Gating</b>	G2.149.115.800.400	G2.111.	G4.299.
		G4.299.	G7.265.
		G7.700.	
<b>Light Signal Transduction</b>	G2.149.115.800.480	G2.111.	G4.299.
<b>Vision, Ocular</b>	G2.149.115.800.480.900	F2.830.	G2.111.
		G4.299.	G11.561.
		G14.640.	
<b>MAP Kinase Signaling System</b>	G2.149.115.800.560	G2.111.	G3.495.
		G4.299.	
<b>Mechanotransduction, Cellular</b>	G2.149.115.800.580	G1.154.	G1.595.
		G2.111.	G4.299.
<b>Second Messenger Systems</b>	G2.149.115.800.800	G2.111.	G4.299.
<b>Calcium Signaling</b>	G2.149.115.800.800.100	G2.111.	G3.495.
		G4.299.	
<b>Synaptic Transmission</b>	G2.149.115.800.850	G2.111.	G4.299.
		G7.265.	G7.700.
		G11.561.	
<b>Postsynaptic Potential Summation</b>	G2.149.115.800.850.500	G2.111.	G4.299.
		G4.580.	G7.265.
		G7.265.	G7.700.
		G11.561.	G11.561.
<b>Wnt Signaling Pathway</b>	G2.149.115.800.925		
<b>Substrate Cycling</b>	G2.149.115.820	G2.111.	G3.495.
<b>Transcription, Genetic</b>	G2.149.115.847	G2.111.	G5.355.
<b>Reverse Transcription</b>	G2.149.115.847.500	G2.111.	G5.355.
<b>Transcription Elongation, Genetic</b>	G2.149.115.847.562	G2.111.	G5.355.
<b>Transcription Initiation, Genetic</b>	G2.149.115.847.625	G2.111.	G5.355.
<b>Transcription Termination, Genetic</b>	G2.149.115.847.687	G2.111.	G5.355.
<b>Transcriptome</b>	G2.149.115.847.750	G2.111.	G5.355.
		G5.360.	
<b>Up-Regulation</b>	G2.149.115.880	G2.111.	G5.355.
		G7.690.	G7.700.
<b>Catalysis</b>	G2.149.170	G2.149.	G2.842.
<b>Biocatalysis</b>	G2.149.170.500	G2.111.	G2.149.
		G2.149.	G2.842.
		G3.495.	
<b>Corrosion</b>	G2.149.200		

## G2 - CHEMICAL PHENOMENA

### Chemical Phenomena Chemical Processes Dimerization

<b>Dimerization</b>	G2.149.250	G2.111. G3.495.	G2.149.
<b>Evolution, Chemical</b>	G2.149.260	G1.60. G2.111.	G1.595. G2.149.
<b>Hydrolysis</b>	G2.149.395	G2.111. G3.495.	G2.149.
<b>Organic Chemistry Processes</b>	G2.149.465	G2.607.	
<b>Acylation</b>	G2.149.465.30	G2.111. G2.607.	G2.149. G3.495.
<b>Acetylation</b>	G2.149.465.30.52	G2.111. G2.607.	G2.149. G3.495.
<b>Aminoacylation</b>	G2.149.465.30.526	G2.111. G2.149. G2.607. G3.495.	G2.111. G2.149. G3.495.
<b>Alkylation</b>	G2.149.465.40	G2.111. G2.607.	G2.149. G3.495.
<b>Methylation</b>	G2.149.465.40.538	G2.111. G2.607.	G2.149. G3.495.
<b>Amination</b>	G2.149.465.50	G2.111. G2.607.	G2.149. G3.495.
<b>Cyclization</b>	G2.149.465.190	G2.111. G2.607.	G2.149. G3.495.
<b>Dealkylation</b>	G2.149.465.200	G2.111. G2.607.	G2.149. G3.495.
<b>Deamination</b>	G2.149.465.210	G2.111. G2.607.	G2.149. G3.495.
<b>Decarboxylation</b>	G2.149.465.220	G2.111. G2.607.	G2.149. G3.495.
<b>Esterification</b>	G2.149.465.270	G2.111. G2.607.	G2.149. G3.495.
<b>Glycosylation</b>	G2.149.465.350	G2.111. G2.607.	G2.149. G3.495.
<b>Hydrogenation</b>	G2.149.465.400	G2.111. G2.607.	G2.149. G3.495.
<b>Hydroxylation</b>	G2.149.465.410	G2.111. G2.607.	G2.149. G3.495.
<b>Maillard Reaction</b>	G2.149.465.500	G2.607.	
<b>Nitrosation</b>	G2.149.465.620	G2.111. G2.607.	G2.149. G3.495.
<b>Phosphorylation</b>	G2.149.465.700	G2.111. G2.607.	G2.149. G3.495.
<b>Osmosis</b>	G2.149.535	G1.154. G2.111. G2.149. G2.842.	G1.595. G2.149. G2.685. G2.842.
<b>Electroosmosis</b>	G2.149.535.250	E5.196. G2.149. G2.842.	E5.301. G2.685. G2.842.
<b>Physicochemical Processes</b>	G2.149.767	G2.842.	
<b>Absorption</b>	G2.149.767.19	G1.595. G3.495. G7.690.	G2.842. G3.787.
<b>Absorption, Physicochemical</b>	G2.149.767.19.500	G1.595.	G2.842.
<b>Absorption, Radiation</b>	G2.149.767.19.500.500	G1.595. G2.842.	G1.750.
<b>Adsorption</b>	G2.149.767.29	G1.595.	G2.842.
<b>Air Ionization</b>	G2.149.767.40	G2.149. G16.500.	G2.842. N6.230.
<b>Catalysis</b>	G2.149.767.500	G2.149.	G2.842.

## G2 - CHEMICAL PHENOMENA

Chemical Phenomena  
 Chemical Processes  
 Physicochemical Processes  
 Catalysis  
 Biocatalysis

Biocatalysis	G2.149.767.500.500	G2.111. G2.149. G3.495.	G2.149. G2.842.
Chemical Precipitation	G2.149.767.502	E5.196.	G2.842.
Flocculation	G2.149.767.502.347	E5.196.	G2.842.
Crystallization	G2.149.767.505	E5.196.	G2.842.
Desiccation	G2.149.767.530	E5.196.	G2.842.
Dialysis	G2.149.767.540	E5.196.	G2.842.
Diffusion	G2.149.767.560	G1.595.	G2.842.
Facilitated Diffusion	G2.149.767.560.500	G1.154. G1.595. G3.495.	G1.595. G2.842.
Thermal Diffusion	G2.149.767.560.750	G1.595.	G2.842.
Energy Transfer	G2.149.767.580	G1.154. G2.111. G2.842.	G1.595. G2.149.
Linear Energy Transfer	G2.149.767.580.400	G1.154. G2.111. G2.842.	G1.595. G2.149.
Filtration	G2.149.767.600	E5.196. G2.842.	G1.595.
Ultrafiltration	G2.149.767.600.807	E4.292. G1.595.	E5.196. G2.842.
Hydrogen Bonding	G2.149.767.620	G2.842.	
Ion Exchange	G2.149.767.640	G2.842.	
Neutron Diffraction	G2.149.767.642	E5.196. G1.595.	E5.196. G2.842.
Osmosis	G2.149.767.645	G1.154. G2.111. G2.149. G2.842.	G1.595. G2.149. G2.685. G2.842.
Electroosmosis	G2.149.767.645.250	E5.196. G2.149. G2.842.	E5.301. G2.685. G2.842.
Oxidation-Reduction	G2.149.767.650	G2.842.	G3.495.
Phase Transition	G2.149.767.680	G1.595.	G2.842.
Freezing	G2.149.767.680.466	G1.595. G2.842.	G1.906.
Volatilization	G2.149.767.680.933	G1.595.	G2.842.
Photochemical Processes	G2.149.767.690	G2.842.	
Photobleaching	G2.149.767.690.680	G2.842.	
Photolysis	G2.149.767.690.685	G2.842.	
Photophosphorylation	G2.149.767.690.842	G2.111. G2.111. G2.149. G2.842. G3.495. G3.495.	G2.111. G2.149. G2.149. G3.495. G3.495.
Photosynthesis	G2.149.767.690.921	G2.111. G2.149. G2.842. G3.495. G15.744.	G2.111. G2.149. G3.495. G3.495.
Proton-Motive Force	G2.149.767.710	G2.842.	G3.495.
Spontaneous Combustion	G2.149.767.830	G2.842.	N6.230.
X-Ray Diffraction	G2.149.767.915	E5.196. G1.595.	E5.196. G2.842.
Polymerization	G2.149.883		
Hydrogen-Ion Concentration	G2.300		



## G2 - CHEMICAL PHENOMENA

### Chemical Phenomena Hydrogen-Ion Concentration Acid-Base Equilibrium

Acid-Base Equilibrium	G2.300.176	G2.111. G7.700.	G3.30 G9.188.
Isoelectric Point	G2.300.500	E5.301.	
Molecular Structure	G2.575	G2.111.	G2.842.
Isomerism	G2.575.249	G2.607.	
Molecular Conformation	G2.575.500	G2.111.	G2.842.
Molecular Dynamics Simulation	G2.575.750	E5.599.	L1.224.
Organic Chemistry Phenomena	G2.607		
Isomerism	G2.607.500	G2.575.	
Stereoisomerism	G2.607.500.682		
Organic Chemistry Processes	G2.607.750	G2.149.	
Acylation	G2.607.750.30	G2.111.	G2.149.
Acetylation	G2.607.750.30.52	G2.149.	G3.495.
Aminoacylation	G2.607.750.30.526	G2.111.	G2.149.
		G2.149.	G3.495.
		G3.495.	
Alkylation	G2.607.750.40	G2.111.	G2.149.
Methylation	G2.607.750.40.538	G2.149.	G3.495.
Amination	G2.607.750.50	G2.111.	G2.149.
		G2.149.	G3.495.
Carbon Cycle	G2.607.750.120	G2.842.	G16.500.
Chemistry Techniques, Synthetic	G2.607.750.155	E5.916.	J1.897.
Click Chemistry	G2.607.750.155.124	E5.916.	E5.916.
		J1.897.	
Combinatorial Chemistry Techniques	G2.607.750.155.249	E5.916.	J1.897.
SELEX Aptamer Technique	G2.607.750.155.249.500	E5.916.	J1.897.
Cycloaddition Reaction	G2.607.750.155.374	E5.916.	J1.897.
Solid-Phase Synthesis Techniques	G2.607.750.155.500	E5.916.	E5.916.
		J1.897.	
Cyclization	G2.607.750.190	G2.111.	G2.149.
		G2.149.	G3.495.
Dealkylation	G2.607.750.200	G2.111.	G2.149.
		G2.149.	G3.495.
Deamination	G2.607.750.210	G2.111.	G2.149.
		G2.149.	G3.495.
Decarboxylation	G2.607.750.220	G2.111.	G2.149.
		G2.149.	G3.495.
Esterification	G2.607.750.270	G2.111.	G2.149.
		G2.149.	G3.495.
Glycosylation	G2.607.750.350	G2.111.	G2.149.
		G2.149.	G3.495.
Hydrogenation	G2.607.750.400	G2.111.	G2.149.
		G2.149.	G3.495.
Hydroxylation	G2.607.750.410	G2.111.	G2.149.
		G2.149.	G3.495.
Maillard Reaction	G2.607.750.500	G2.149.	
Nitrogen Cycle	G2.607.750.560	G2.111.	G2.149.
		G2.842.	G16.500.
Nitrosation	G2.607.750.620	G2.111.	G2.149.
		G2.149.	G3.495.
Oxidative Coupling	G2.607.750.660	G2.842.	
Phosphorylation	G2.607.750.700	G2.111.	G2.149.
		G2.149.	G3.495.
Osmolar Concentration	G2.640	G2.842.	

## G2 - CHEMICAL PHENOMENA

### Chemical Phenomena Osmolar Concentration Osmotic Pressure

Osmotic Pressure	G2.640.249	G1.374. G2.842.	G2.685. G2.842.
Salinity	G2.640.500	G2.842.	
Permeability	G2.685	G2.842.	
Osmosis	G2.685.495	G1.154. G2.111.	G1.595. G2.149.
Electroosmosis	G2.685.495.250	G2.149. G2.842.	G2.149. G2.842.
Osmotic Pressure	G2.685.661	E5.196. G2.149.	E5.301. G2.149.
Osmotic Pressure	G2.685.661	G2.842. G1.374.	G2.842. G2.640.
Physicochemical Phenomena	G2.842		
Anisotropy	G2.842.50	G1.590.	
Hydrophobic and Hydrophilic Interactions	G2.842.312		
Wettability	G2.842.312.500	G2.842.	
Molecular Structure	G2.842.575	G2.111.	G2.575
Molecular Conformation	G2.842.575.500	G2.111.	G2.575.
Molecular Weight	G2.842.580		
Osmolar Concentration	G2.842.640	G2.640	
Osmotic Pressure	G2.842.640.249	G1.374. G2.685.	G2.640. G2.842.
Salinity	G2.842.640.500	G2.640.	
Particle Size	G2.842.680		
Permeability	G2.842.700	G2.685	
Osmosis	G2.842.700.495	G1.154. G2.111.	G1.595. G2.149.
Electroosmosis	G2.842.700.495.250	G2.149. G2.685.	G2.149. G2.842.
Osmotic Pressure	G2.842.700.661	E5.196. G2.149.	E5.301. G2.149.
Osmotic Pressure	G2.842.700.661	G2.685. G1.374.	G2.842. G2.640.
Physicochemical Processes	G2.842.750	G2.685.	G2.842.
Absorption	G2.842.750.19	G2.149.	
Absorption, Physicochemical	G2.842.750.19.500	G1.595.	G2.149.
Absorption, Radiation	G2.842.750.19.500.500	G1.595. G2.149.	G1.750. G2.149.
Adsorption	G2.842.750.29	G1.595.	G2.149.
Air Ionization	G2.842.750.40	G2.149.	G2.149.
Carbon Cycle	G2.842.750.270	G16.500.	N6.230.
Carbon Sequestration	G2.842.750.270.500	G2.607.	G16.500.
Catalysis	G2.842.750.500	G2.149.	G2.149.
Biocatalysis	G2.842.750.500.500	G2.149. G3.495.	G2.149. G2.149.
Chemical Precipitation	G2.842.750.502	E5.196.	G2.149.
Flocculation	G2.842.750.502.347	E5.196.	G2.149.
Crystallization	G2.842.750.505	E5.196.	G2.149.
Desiccation	G2.842.750.530	E5.196.	G2.149.
Dialysis	G2.842.750.540	E5.196.	G2.149.
Diffusion	G2.842.750.560	G1.595.	G2.149.

## G2 - CHEMICAL PHENOMENA

<b>Chemical Phenomena</b>			
<b>Physicochemical Phenomena</b>			
<b>Physicochemical Processes</b>			
<b>Diffusion</b>			
<b>Facilitated Diffusion</b>			
<b>Facilitated Diffusion</b>	G2.842.750.560.500	G1.154. G1.595. G3.495.	G1.595. G2.149.
<b>Thermal Diffusion</b>	G2.842.750.560.750	G1.595.	G2.149.
<b>Drug Liberation</b>	G2.842.750.570	G3.787.	G7.690.
<b>Energy Transfer</b>	G2.842.750.580	G1.154. G2.111. G2.149.	G1.595. G2.149.
<b>Linear Energy Transfer</b>	G2.842.750.580.400	G1.154. G2.111. G2.149.	G1.595. G2.149.
<b>Filtration</b>	G2.842.750.600	E5.196. G2.149.	G1.595.
<b>Ultrafiltration</b>	G2.842.750.600.807	E4.292. G1.595.	E5.196. G2.149.
<b>Hydrogen Bonding</b>	G2.842.750.620	G2.149.	
<b>Ion Exchange</b>	G2.842.750.640	G2.149.	
<b>Neutron Diffraction</b>	G2.842.750.642	E5.196. G1.595.	E5.196. G2.149.
<b>Nitrogen Cycle</b>	G2.842.750.643	G2.111. G2.607.	G2.149. G16.500.
<b>Denitrification</b>	G2.842.750.643.500	G16.100. G16.500.	G16.500.
<b>Osmosis</b>	G2.842.750.645	G1.154. G2.111. G2.149.	G1.595. G2.149.
<b>Electroosmosis</b>	G2.842.750.645.250	G2.685. E5.196. G2.149. G2.685.	G2.842. E5.301. G2.149. G2.842.
<b>Oxidation-Reduction</b>	G2.842.750.650	G2.149.	G3.495.
<b>Oxidative Coupling</b>	G2.842.750.650.500	G2.607.	
<b>Phase Transition</b>	G2.842.750.680	G1.595.	G2.149.
<b>Freezing</b>	G2.842.750.680.466	G1.595. G2.149.	G1.906.
<b>Volatilization</b>	G2.842.750.680.933	G1.595.	G2.149.
<b>Photochemical Processes</b>	G2.842.750.690	G2.149.	
<b>Photobleaching</b>	G2.842.750.690.680	G2.149.	
<b>Photolysis</b>	G2.842.750.690.685	G2.149.	
<b>Photophosphorylation</b>	G2.842.750.690.842	G2.111. G2.111. G2.149.	G2.111. G2.149.
<b>Photosynthesis</b>	G2.842.750.690.921	G2.149. G3.495. G3.495. G3.495.	G3.495. G3.495.
<b>Proton-Motive Force</b>	G2.842.750.710	G2.149.	G3.495.
<b>Spontaneous Combustion</b>	G2.842.750.830	G2.149.	N6.230.
<b>X-Ray Diffraction</b>	G2.842.750.915	E5.196. G1.595.	E5.196. G2.149.
<b>Solubility</b>	G2.842.800		
<b>Specific Gravity</b>	G2.842.810		
<b>Surface Properties</b>	G2.842.850		
<b>Adhesiveness</b>	G2.842.850.139		
<b>Capillary Action</b>	G2.842.850.327		
<b>Surface Tension</b>	G2.842.850.816		

## G2 - CHEMICAL PHENOMENA

Chemical Phenomena  
Physicochemical Phenomena  
Surface Properties  
Wettability

Wettability  
Viscosity

G2.842.850.908  
G2.842.925

G2.842.