



Bedeutung der Tiere gemäß Tiersymbolik

GENOME

0 50 100 150 200 250 Mb

STRUCTURE

Chromosome 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 X Y

FUNCTION

Genes

Exon Intron

Transcripts

mRNA lncRNA

Proteins

Domain

Regulatory elements

Enhancer Promoter Silencer

Repeats

Alu L1 L2 L3 L4 L5 L6 L7 L8 L9 L10 L11 L12 L13 L14 L15 L16 L17 L18 L19 L20 L21 L22 L23 L24 L25 L26 L27 L28 L29 L30 L31 L32 L33 L34 L35 L36 L37 L38 L39 L40 L41 L42 L43 L44 L45 L46 L47 L48 L49 L50 L51 L52 L53 L54 L55 L56 L57 L58 L59 L60 L61 L62 L63 L64 L65 L66 L67 L68 L69 L70 L71 L72 L73 L74 L75 L76 L77 L78 L79 L80 L81 L82 L83 L84 L85 L86 L87 L88 L89 L90 L91 L92 L93 L94 L95 L96 L97 L98 L99 L100

Variants

SNP Indel CNV SV

Legend

Gene structure: Exon (blue), Intron (green), UTR (red)

Transcript: mRNA (blue), lncRNA (green)

Protein: Domain (blue)

Regulatory element: Enhancer (blue), Promoter (green), Silencer (red)

Repeat: Alu (blue), L1 (green), L2 (red), L3 (blue), L4 (green), L5 (red), L6 (blue), L7 (green), L8 (red), L9 (blue), L10 (green), L11 (red), L12 (blue), L13 (green), L14 (red), L15 (blue), L16 (green), L17 (red), L18 (blue), L19 (green), L20 (red), L21 (blue), L22 (green), L23 (red), L24 (blue), L25 (green), L26 (red), L27 (blue), L28 (green), L29 (red), L30 (blue), L31 (green), L32 (red), L33 (blue), L34 (green), L35 (red), L36 (blue), L37 (green), L38 (red), L39 (blue), L40 (green), L41 (red), L42 (blue), L43 (green), L44 (red), L45 (blue), L46 (green), L47 (red), L48 (blue), L49 (green), L50 (red), L51 (blue), L52 (green), L53 (red), L54 (blue), L55 (green), L56 (red), L57 (blue), L58 (green), L59 (red), L60 (blue), L61 (green), L62 (red), L63 (blue), L64 (green), L65 (red), L66 (blue), L67 (green), L68 (red), L69 (blue), L70 (green), L71 (red), L72 (blue), L73 (green), L74 (red), L75 (blue), L76 (green), L77 (red), L78 (blue), L79 (green), L80 (red), L81 (blue), L82 (green), L83 (red), L84 (blue), L85 (green), L86 (red), L87 (blue), L88 (green), L89 (red), L90 (blue), L91 (green), L92 (red), L93 (blue), L94 (green), L95 (red), L96 (blue), L97 (green), L98 (red), L99 (blue), L100 (green)

Variant types

SNP: Single Nucleotide Polymorphism

Indel: Insertion/Deletion

CNV: Copy Number Variation

SV: Structural Variation

Regulatory elements

Enhancer: Enhances gene expression

Promoter: Initiates gene expression

Silencer: Suppresses gene expression

Repeats

Alu: Alu element

L1: L1 element

L2: L2 element

L3: L3 element

L4: L4 element

L5: L5 element

L6: L6 element

L7: L7 element

L8: L8 element

L9: L9 element

L10: L10 element

L11: L11 element

L12: L12 element

L13: L13 element

L14: L14 element

L15: L15 element

L16: L16 element

L17: L17 element

L18: L18 element

L19: L19 element

L20: L20 element

L21: L21 element

L22: L22 element

L23: L23 element

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L39: L39 element

L40: L40 element

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L43: L43 element

L44: L44 element

L45: L45 element

L46: L46 element

L47: L47 element

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L50: L50 element

L51: L51 element

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L60: L60 element

L61: L61 element

L62: L62 element

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L65: L65 element

L66: L66 element

L67: L67 element

L68: L68 element

L69: L69 element

L70: L70 element

L71: L71 element

L72: L72 element

L73: L73 element

L74: L74 element

L75: L75 element

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L80: L80 element

L81: L81 element

L82: L82 element

L83: L83 element

L84: L84 element

L85: L85 element

L86: L86 element

L87: L87 element

L88: L88 element

L89: L89 element

L90: L90 element

L91: L91 element

L92: L92 element

L93: L93 element

L94: L94 element

L95: L95 element

L96: L96 element

L97: L97 element

L98: L98 element

L99: L99 element

L100: L100 element

Protein domains

Domain: Functional unit of a protein

Transcript types

mRNA: Messenger RNA

lncRNA: Long non-coding RNA

Variant distribution

SNP: Single Nucleotide Polymorphism

Indel: Insertion/Deletion

CNV: Copy Number Variation

SV: Structural Variation

Regulatory element distribution

Enhancer: Enhances gene expression

Promoter: Initiates gene expression

Silencer: Suppresses gene expression

Repeat distribution

Alu: Alu element

L1: L1 element

L2: L2 element

L3: L3 element

L4: L4 element

L5: L5 element

L6: L6 element

L7: L7 element

L8: L8 element

L9: L9 element

L10: L10 element

L11: L11 element

L12: L12 element

L13: L13 element

L14: L14 element

L15: L15 element

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L34: L34 element

L35: L35 element

L36: L36 element

L37: L37 element

L38: L38 element

L39: L39 element

L40: L40 element

L41: L41 element

L42: L42 element

L43: L43 element

L44: L4