

The Origin Of Life

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www.creation.com

Largest Human Protein

Titin

34,350 Amino Acids

<http://en.wikipedia.org/wiki/Titin>

Probability - Amino Acids In Correct Order

$10^{-44,690}$

$$\frac{1}{20^{34,350}} = \frac{1}{10^{44,690}}$$

Probability – Chirality

$10^{-10,340}$

$$\frac{1}{2^{34,350}} = \frac{1}{10^{10,340}}$$

Probability - Amino Acids Order + Chirality

$10^{-55,031}$

$$\frac{1}{40^{34,350}} = \frac{1}{10^{55,031}}$$

Probability - Nucleotide Chance

$10^{-20,681}$

$$\frac{1}{24^{34,350}} = \frac{1}{10^{47,410}}$$

Total Probability - Nucleotide + Amino Acids Order + Chirality

$10^{-102,441}$

Insect Bacteria
Total Amino Acids
493,618

<http://www.uniprot.org/uniprot/?query=taxonomy:423604>

Probability - Amino Acids In Correct Order

$10^{-642,212}$

$$\frac{1}{20^{493,618}} = \frac{1}{10^{642,212}}$$

Probability – Chirality

$10^{-148,594}$

$$\frac{1}{2^{493,618}} = \frac{1}{10^{148,594}}$$

Probability - Amino Acids Order + Chirality

$10^{-790,806}$

$$\frac{1}{40^{493,618}} = \frac{1}{10^{790,188}}$$

Probability - Nucleotide Chance

$10^{-681,297}$

$$\frac{1}{24^{493,618}} = \frac{1}{10^{681,297}}$$

Total Probability - Nucleotide + Amino Acids Order + Chirality

$10^{-1,472,103}$

Chimpanzee
Total Amino Acids
13,570,449

<http://www.uniprot.org/uniprot/?query=Pan+troglydtes&sort=score>

<p>Probability - Amino Acids In Correct Order</p> <p>$10^{-17,655,561}$</p>	$\frac{1}{20^{13,570,449}} = \frac{1}{10^{17,655,561}}$
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<p>Probability – Chirality</p> <p>$10^{-4,085,112}$</p>	$\frac{1}{2^{13,570,449}} = \frac{1}{10^{4,085,112}}$
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<p>Probability - Amino Acids Order + Chirality</p> <p>$10^{-21,740,673}$</p>	$\frac{1}{40^{13,570,449}} = \frac{1}{10^{21,740,673}}$
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<p>Probability - Nucleotide Chance</p> <p>$10^{-18,170,224}$</p>	$\frac{1}{24^{13,570,449}} = \frac{1}{10^{18,730,086}}$
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<p>Total Probability - Nucleotide + Amino Acids Order + Chirality</p> <p>$10^{-40,470,760}$</p>	
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Human
Total Amino Acids
23,860,211

<http://www.uniprot.org/uniprot/?query=homo+sapiens&sort=score>

Probability - Amino Acids In Correct Order

$10^{-31,042,850}$

$$\frac{1}{20^{23,860,211}} = \frac{1}{10^{31,042,850}}$$

Probability – Chirality

$10^{-7,182,639}$

$$\frac{1}{2^{23,860,211}} = \frac{1}{10^{7,182,639}}$$

Probability - Amino Acids Order + Chirality

$10^{-38,225,489}$

$$\frac{1}{40^{23,860,211}} = \frac{1}{10^{38,225,489}}$$

Probability - Nucleotide Chance

$10^{-32,932,131}$

$$\frac{1}{24^{23,860,211}} = \frac{1}{10^{32,932,131}}$$

Total Probability - Nucleotide + Amino Acids Order + Chirality

$10^{-71,157,621}$

Numerical Probability Comparison

The Sun	Hydrogen Atoms	Sand Grains Inside
	100% Pure H	The Sun
	1.20×10^{51}	1.10×10^{37}

The Earth	Hydrogen Atoms	Sand Grains Inside
	100% Pure H	The Earth
	3.60×10^{48}	8.50×10^{30}

Sphere	Hydrogen Atoms	Sand Grains Inside
Light Year Radius	100% Pure H	Sphere
	3.01×10^{75}	2.77×10^{58}

Sphere	Hydrogen Atoms	Sand Grains Inside
Billion LY Radius	100% Pure H	Sphere
	3.01×10^{102}	2.77×10^{85}

Cube	Hydrogen Atoms	Sand Grains Inside
Billion LY Wide	100% Pure H	Cube
	7.18×10^{101}	6.62×10^{84}

Cube	Hydrogen Atoms	Sand Grains Inside
100 Billion LY Wide	100% Pure H	Cube
	7.18×10^{107}	6.62×10^{90}

From Protein To Bacteria

<u>Human Titin Protein</u>	<u>Insect Bacteria</u>	Probability
<u>20 Amino Acids</u>	<u>20 Amino Acids</u>	Difference
$10^{-44,690}$	$10^{-642,212}$	$10^{597,521}$
<u>Chirality</u>	<u>Chirality</u>	
$10^{-10,340}$	$10^{-148,594}$	$10^{138,253}$
20 Amino Acids + Chirality	20 Amino Acids + Chirality	
$10^{-55,031}$	$10^{-790,806}$	$10^{735,775}$
<u>Nucleotide</u>	<u>Nucleotide</u>	
$10^{-47,410}$	$10^{-681,297}$	$10^{633,887}$
<u>Nucleotide + 20 AA + Chiral</u>	<u>Nucleotide + 20 AA + Chiral</u>	
$10^{-102,441}$	$10^{-1,472,103}$	$10^{1,369,662}$

All numbers are 10^{-x}

From Bacteria To Chimpanzee

<u>Insect Bacteria</u>	<u>Chimpanzee</u>	Probability
<u>20 Amino Acids</u>	<u>20 Amino Acids</u>	Difference
$10^{-642,212}$	$10^{-17,655,561}$	$10^{17,013,349}$
<u>Chirality</u>	<u>Chirality</u>	
$10^{-148,594}$	$10^{-4,085,112}$	$10^{3,936,518}$
<u>20 Amino Acids + Chirality</u>	<u>20 Amino Acids + Chirality</u>	
$10^{-790,806}$	$10^{-21,740,673}$	$10^{20,949,868}$
<u>Nucleotide</u>	<u>Nucleotide</u>	
$10^{-681,297}$	$10^{-18,730,086}$	$10^{18,048,789}$
<u>Nucleotide + 20 AA + Chiral</u>	<u>Nucleotide + 20 AA + Chiral</u>	
$10^{-1,472,103}$	$10^{-40,470,760}$	$10^{38,998,657}$

All numbers are 10^{-x}

From Chimpanzee To Human

<u>Chimpanzee</u>	<u>Human</u>	Probability
<u>20 Amino Acids</u>	<u>20 Amino Acids</u>	Difference
10^{-17,655,561}	10^{-31,042,850}	10^{13,387,289}
<u>Chirality</u>	<u>Chirality</u>	
10^{-4,085,112}	10^{-7,182,639}	10^{3,097,527}
20 Amino Acids + Chirality	20 Amino Acids + Chirality	
10^{-21,740,673}	10^{-38,225,489}	10^{16,484,816}
<u>Nucleotide</u>	<u>Nucleotide</u>	
10^{-18,730,086}	10^{-32,932,131}	10^{14,202,045}
<u>Nucleotide + 20 AA + Chiral</u>	<u>Nucleotide + 20 AA + Chiral</u>	
10^{-40,470,760}	10^{-71,157,621}	10^{30,686,861}

All numbers are 10^{-x}