New Findings in DNA

DNA research is advancing at an amazing rate. There are a lot of misconceptions by non-researchers. We hope to clear up some of those misconceptions and let you know about huge advances in our DNA knowledge that have recently occurred. There are a lot new findings in DNA research. They all point to an amazingly designed, complex information system.

Reading DNA

Most people think that reading the sequence of DNA letters is a simple, straightforward process. It is not, but it is getting better. There are over 3 billion DNA letters in the human genome. Up until recently, researchers could read sequences of between 75 to 1500 letters. Each of these relatively short snippets of sequences is called a read. It is very difficult to accurately put all the short reads together to determine the long sequence being read. That is one of the reasons that different researchers have come up with different total lengths of the human genome. Reading

Science News to Learn By...

Men and Woman Different!

Researchers just can’t get their act together and find things to confirm the political correct speech of today. Researchers have found that men and woman are very different DNA wise, which explains what all rational people have known all their lives. Only on college campuses are men and women said to be the same. David Page, a professor of biology at MIT, explains some details. The genetic difference between men

Earth’s Magnetic Field Too Old

A couple years ago, we had a feature article on the earth’s magnetic field. We showed from research published in geophysics journals that scientists were stumped. The solution was getting farther away rather than closer. Indeed, the laws of physics say it cannot be the result of a dynamo and experiments attempting to show there is a dynamo, in spite of solid physics, were utter failures. Now there is a new line of evidence that further shows the fact that there is no dynamo creating the magnetic field. The supposed dynamo is supposed to be powered by the rotation of the earth, the size of the earth’s liquid core and how fast the liquid core is moving. The latest experiments show that the convection currents in the core would cause it to cool in about 1 billion years. Since the core is still liquid, it has to be less than 1 billion years old. But geophysicists tell us the core is over 4 billion years old. It has to be. There is no way for the core to heat up to the level it is before 1 billion years ago. But the myth Of the falsified dynamo will continue.

Degrees of Separation

Is Christianity just another path to eternity? That would be the assumption of many. But there are at least six ways that Christianity is very different from every other religion. Other religions share many commonalities, but Christianity is unique. What is most amazing is that the differences are things people cry out that God should be, yet reject. Only in Christianity:

1. God is referred to as “Father.” In all other religions, god is nonexistent.

See Degrees on page 4
a long sequence via short reads makes it very difficult to put together an accurate picture of a DNA sequence.

In the last few years, new technology has led to the ability to read snippets of up to 215,000 letters at a time. These longer snippets allow researchers to do a much better job of determining the actual sequence of letters.

The results have overturned much of what was thought about the human genome.

In the past, using short reads, it was determined that humans vary by only about 0.01% in the DNA sequence. It is now known that humans vary up to 4.5%! If human DNA can vary by up to 4.5%, then chimp DNA simply cannot be less than 2% different from human DNA. It will be exciting to see what researchers find when they start using these long-read techniques to compare human and chimp DNA.

Human-Chimp Comparison

In the box below, you can read about the history of comparing human and chimp DNA. There is another factor to consider. To speed things up, researchers assumed evolution so they built the chimp DNA map on the structure they had discovered in the human map. This will bias the comparison toward small differences.

In addition, it has recently been discovered that all reads of chimp DNA were contaminated by human DNA. (We have links to the studies on our website home page and newsletter page.) A new construction of the chimp DNA map was conducted using better procedures to minimize contamination with human DNA. The result was a difference of 15%, not 2%. This is logical considering the huge difference found among humans (4.5%).

But even using the old data, when researchers conducted the largest comparison study ever on human and chimp DNA, they had to throw out 1/3 of the data (nearly 1 billion letters) because the difference was so great they couldn’t even do a direct comparison.

When a comparison is done, a program called BLAST is the most common program used. That program lets the researcher set the maximum difference allowed in the comparison. When the largest research project was done, they used BLAST to do a comparison five times. Each time they set the allowable difference at different percentages. At 6% they got the largest set of DNA that could be compared while restraining the difference percentage to a figure that is reasonable (to an evolutionist). A creation researcher ran the program with no restraint on the allowed percentage. Just let the program show the results of a total comparison. BLAST returned a 30% difference!

The human-chimp 2% DNA difference continues to be promoted. Promoters of evolution will never let sound research get in the way of their desire to avoid the obvious... A Creator God named Jesus.

We first wrote about orphan genes about ten years ago. There are genes of similar function in all creatures (and plants). For example, every cell has genes that control the process of cell divisions... The replication of themselves... Reproduction. Researchers have found which genes do that in various creatures and they are put in a database of genes that control reproduction.

But every creature kind has genes that have no common function in other creatures. Nor is the DNA code similar in any way. They are unique to one kind of creature, they accomplish something that is only needed in that creature kind and they are produced using DNA code that is unique to that creature.

Evolutionists thought it was a minor problem and that as we learned more, the problem would disappear. As is typical, an evolutionist claim of “no problem” has actually become an ever-increasingly huge problem for their mythology.

When we first reported on orphan genes it had been found that up to 15% of a creature’s genes are orphans. The latest published papers put it at up to 40%! The evolution myth needs fewer, not more.

How do the leading evolutionists deal with it? Hey, they are found in “junk DNA.” It doesn’t matter that their function has been fully investigated. They are in “junk DNA” and therefore should just be ignored because junk DNA doesn’t do anything. Ignore these junk DNA deniers.

Continued on Next page
Along with other kinds of creatures, researchers have looked at the genome of zebrafish. The findings agree with previous finding and we predict the same patterns will be found as other genomes are explored.

They found that some of the genes are common in many types of creatures. This is not unexpected as cell operation is the same in all cells, regardless of the type of creature. They then found many genes that are found only in ray-finned fish (the zebrafish is a ray-finned fish). Finally, there were genes that were not found in any ray-finned fish except the zebrafish. Those orphan genes have no ancestry. They contradict evolution.

When researching insects, researchers found 28,581 orphan genes found only in ants and in no other insects.

So far, in humans, at least 1177 orphan genes, representing 6% of the total human genome, have been found. When mutated, some of these genes become the source of a human ailment. Though these genes have been found to be fully functional in experiments, we’ll let ardent evolutionist Joel Velasco explain how these genes should be dealt with: The remaining 1,177 cases were declared to be orphans, because they lack orthology, paralogy, or homology to known genes and are not obvious artifacts... If the orphans represent valid human protein-coding genes, we would have to conclude that the vast majority of the orphans were born after the divergence from chimpanzee. Such a model would require a prodigious rate of gene birth in mammalian lineages and a ferocious rate of gene death erasing the huge number of genes born before the divergence from chimpanzee. We reject such a model as wholly implausible. Boiled down, what he is saying is this: There is no way evolution can create this huge number of genes in just 6 million years and at the same time totally remove any trace of orphan genes that existed in the common ancestor of humans and chimps. Therefore, they are not really genes. A shorter summary: The evolution myth must trump all scientific research and data. Trust us, we know these things, researchers should be ignored. Facts should be ignored.

DNA used to be so simple. A stretch of DNA codes for a protein. Use the code to build the protein and all is well. But how does the cell know it needs a particular protein at a particular time? Nobody knows how the cell knows, but it obviously has to know and does know.

When a protein is needed, an activator must be incorporated in the production of the protein. This gets things moving. So, the evolutionist has just found his problem to be far more difficult. At the same time a new function is possible due to mutations, evolution must also create the activator. The new gene cannot be selected by natural selection until it actually does something. To do something, the activator must also be present and the cell must know it is present and how to activate the activator. You can’t just have activators going into action willy-nilly.

Then there are regulators that make sure the now activated gene does only as much as needed. That makes three randomly created and separated functions that must occur at exactly the same time in order for evolution to occur. Notice that all of this so far sounds like a tightly designed system. That is because it is a tightly designed system.

Let’s imagine the first cell. It must be able to reproduce before it dies so the first cell must also have the genes for reproduction. It must also have the activator present when it comes into existence. And the control system that knows when to activate the activator. And the regulator that says, “OK, one reproduction cycle is enough. Stop now.” Yes, that is really what happens when a cell reproduces. What would Joel Velasco say if he took all this into consideration with orphan genes!

Do we have any examples of this system and how mutations work with it. We sure do! If a mutation occurs that changes the regulator of cell division, the stop command may not be issued. The result is something we commonly call cancer. Technically it is a broken regulator.

God, in the person of Jesus, is the creator of the tightly designed control system of every cell, orphan genes, the universe, you and me. CRM

And, he points out that the differences have a huge effect on disease.

Moral Outrage is Self Serving

We see a lot of people expressing outrage at what appears to be social injustice of some sort. Researchers decided to analyze that outrage. What they discovered is that the outrage was not based on injustice occurring to others. Here are 2 of the 5 feelings of guilt that are the real causes:

- Triggering feelings of personal culpability for a problem increases moral outrage at a third-party target. For instance, respondents who read that Americans are the biggest consumer drivers of climate change “reported significantly higher levels of outrage at the environmental destruction” caused by “multinational oil corporations” than did the respondents who read that Chinese consumers were most to blame.

- The more guilt over one’s own potential complicity, the more desire “to punish a third-party through increased moral outrage at that target.” For instance, participants in study one read about sweatshop labor exploitation, rated their own identification with common consumer practices that allegedly contribute, then rated their level of anger at “international corporations” who perpetuate the exploitative system and desire to punish these entities. The results showed that increased guilt “predicted increased punitiveness toward a third-party harm-doer due to increased moral outrage at the target.” CRM
For nothing is hidden that shall not become evident, nor anything secret that shall not be known and come to light. — Jesus Christ - Luke 8:17

Separation from page 1

or distant. Or, God is impersonal and uncaring. Perhaps a “force.” In reality, God is our spiritual Father, a very real person who loves and cares for every human being and all of His creation. The triune God was in perfect love, harmony and fellowship among the three persons. The three persons (Father, Son, Spirit) are at the same time one person. Trying to comprehend this shows how amazingly incomprehensible God is. I know I would not want a God I could fully comprehend.

God has an intimate relationship with believers. Christianity is a relationship with Jesus. It is a religion that is defined by the personal, intimate relationship we have with our Creator. God created us because he wanted to share His love with more than Himself. He made us in His image. In the original Hebrew, that means we are a shadow or outline of God.

We see this in many diverse ways. For example, God created the universe. Men seem driven to create. God uses a code to control the operation of a cell. People have created computers that operate in much the same way. But where computers operate in one dimension based on two states, 0s and 1s, DNA operates in many dimensions based on many states with the foundational dimension being based on four states, A, C, G, T - the four DNA bases (nucleic acids).

Because we are in His image, we truly are children of God. But, God doesn’t want robots. He created us in perfection, but like our own children, we tested the Father. Adam was our representative so when Adam tested, we tested. That resulted in us being sinners. We sin (do wrong things, technically: miss the mark) because it is now our natural disposition. God, being perfect and holy, cannot be in the presence of sin, so He had to bring death into the world. Death is ultimately a good thing! If we didn’t die, we would live forever out of fellowship with God. We would be miserable. By dying, we can be brought back to life in a sinless state and live with God forever.

Jesus is God in the person of the Son. He is Savior. He not only teaches us how we should live, but knowing that we can never 100% please God, He has become the Redeemer... He paid the price of our lack of perfection by giving His life even though He lived a 100% perfect life in the eyes of the Father. He came with one purpose! He came to die, the only sinless person to ever die. Because He is infinite God, He could die once and take the place of every person that believes Him. He experiences all time at all time so His death works for eternity. In all other religions, fallible humans try to tell us about God. In Christianity, God Himself came and taught us in person. And He made sure a book would always be available to us that tells us about Him.

God operates by Grace. In all other religions that believe in afterlife, the human must earn the way to eternity. One life may end in heaven or hell, or countless lives must be lived to finally earn an eternity of rest. In Christianity, God has made all the provision. All we have to do is accept His gift and we have an eternity of rest given to us at no cost.

We then show our appreciation for the gift by attempting to live a life more pleasing to God every day.

When a Christian acts in an un-Christian manner, it is because until we are resurrected into a new perfect body, sin has a grip on us. So, yes, we mess up. But when we do, and it is brought to our attention, our response should be of humility and repentance.

Hinduism has an extreme caste system. Women are degraded in many religions. He who follows the rules best gets the reward in other religions. But, all are equal before God, our Father. And, there is no rank. Everyone is equal.

God accepts you just as you are at the time you accept Christ. All of us have struggles. Some are outwardly obvious, like anger. Others are not so visible, such as alcohol addiction. In Christianity, we are all accepted where we are at the moment we accept Christ as Savior. No one is too bad. We show our appreciation by moving closer to Christ, working with Him to overcome our struggles. Nobody is at a disadvantage.

In summary, it is all about God, not us. God provides the means to himself. Nobody is at an advantage. Nobody is “better” or higher in rank. All have the possibility of an intimate relationship with our Creator, Jesus Christ. And this relationship, Jesus taught us, is the ONLY way to an eternity of rest, indeed, in His presence. Jesus’ last words to His followers was to share the Good News of the Kingdom of God with everyone. We are delighted to share the Good News with you! Come join us in Jesus! CRM

Orphan genes are genes that occur in specific evolutionary lineages without similarity to genes outside of these lineages...Their existence suggests that functional ribonucleic acids (RNAs) and proteins can relatively easily arise out of random nucleotide sequences, although these processes still need to be experimentally explored. (editor emphasis)

POINT:

This is a perfect example of deductive reasoning. Every explanation of evolution we have seen is based on deductive reasoning rather than experiments and knowledge of what we actually know. “…functional ribonucleic acids (RNAs) and proteins can relatively easily arise out of random nucleotide sequences.” Notice two assumptions in this conclusion in the paper abstract. Assumption 1: In spite of research showing that a random sequence of DNA can result in a function in 1 chance in 10^{108}, it apparently occurs easily and often. In statistics, a probability of less than 1 in 10^{108} is considered operationally infeasible = impossible. 1 in 10^{108} is 10^{108} TIMES LESS LIKELY than the limit defined in statistics. The deductive reasoning? Evolution is true, therefore, don’t let science get in the way of a myth. Assumption 2: “…arise out of random nucleotide sequences.” Scientific study has shown that there are NO random nucleotide sequences! The secular Encode project showed that all of our DNA is working to keep our cells alive. DNA sequence is a tightly designed operational system. All of the nucleotide sequences are doing something!!! Evolution-believing atheists don’t want us showing you real scientific research.

Harvard study abstract. See our web home page for link to entire paper.