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Welcome to the PreventionGenetics Newsletter. Starting this month we will be publishing bi-monthly newsletters to keep our clients informed of new developments at PreventionGenetics.

Our menu of Clinical DNA tests continues to grow rapidly. We are adding new gene sequencing tests nearly every week. Additions to our menu will be highlighted in most of these newsletters, beginning this issue with Holoprosencephaly.

### **New Molecular Genetic Tests for Holoprosencephaly**

PreventionGenetics is pleased to announce a new sequential gene sequencing test for Holoprosencephaly (HPE). HPE is a common developmental anomaly of the human forebrain and midface affecting 1 in 16,000 live births. PreventionGenetics now tests for six HPE genes (*SHH*, *ZIC2*, *SIX3*, *TGIF1*, *GLI2* and *PTCH1*). PreventionGenetics is the first lab to offer sequencing of the entire coding region of *SHH*. Muenke and Gropman (www.genetests.org, 2008) estimate that 40%-50% of HPE cases that demonstrate autosomal dominant inheritance will be captured by sequencing these genes. The genes in the sequential HPE test can be requested in any order. The genes may also be ordered individually. Pricing and other details can be found [here](#).

### **Summaries of Gene Sequencing Results Now Available**

Summaries of Gene Sequence Statistics are now available for many genes on the [PreventionGenetics website](#). These Sequence Statistics were derived from the results of individual clinical tests performed at PreventionGenetics. The Sequence Statistics provide a variety of information including allele frequencies and lists of causative mutations. Many of the causative mutations have not been reported in the literature. The link to the Sequence Statistics is [here](#). This is another service we are pleased to provide to the human genetics community.

Provide the very best care for your patients. Quality, low prices, and excellent service. You get all three with PreventionGenetics.