The IRD sequence search application programming interface (API) has been continuously improved. The newest version of the API now supports additional sequence search fields and more sequence-associated metadata fields available for retrieval.

New search fields:
- IRD-annotated complete genome
- GenBank-annotated complete sequence
- IRD-curated continent
- IRD-curated host group (such as avian)
- IRD-annotated H1 and H5 clade

New metadata fields for retrieval:
- IRD-curated continent
- IRD-curated host group (such as avian)

Instructions, along with examples, are described at Support > IRD/ViPR APIs.

Enhanced Archaeopteryx.js Tree Viewer

The powerful Archaeopteryx.js tree viewer has been further enhanced with the following new features:

- Deletion of subtrees/external nodes: During phylogenetic analysis, it is sometimes useful to remove certain nodes/subtrees after a tree has been generated. For example, certain nodes/subtrees can be either too closely or too distantly related to be informative. The new version of Archaeopteryx.js therefore allows deleting nodes/subtrees directly from the tree so that users do not need to recompute the tree in order to remove certain nodes.

- Dynamic update of figure legends: After a tree display is limited to a subtree or nodes have been deleted from a tree, the figure legends such as label colors will be dynamically updated based on the data in the modified tree.

- The modified tree can be downloaded in image (PNG, SVG) or tree formats (phyloXML, Newick).

Please see figure below for an example.