

# DNA CORNER

**Paul Duffey**

## Finding Your Exact Y DNA Results In Sorenson

1. Go to [www.smgf.org](http://www.smgf.org) and click on the Search Y database for your male surname.
2. Your result will usually be at the top. Look for your surname and locations under the colored boxes. You can open the pedigree chart by clicking on the family tree symbol to make sure it's you. The numbers across the top are those of the reference standard, not yours. A light blue square means your results match the standard on that box. Dark blue signals you do not match the standard on that DYS marker.
3. Print out a copy.
4. Use the browser back arrow to go back to the search page.
5. Select one of the DYS mismatches, click on the drop down arrow next to it, and change the number by 1, either up or down.
6. Search again by surname.
7. If the DYS box you changed turned from dark to light blue, you have found your result for that marker. Leave it.
8. Keep changing that marker number until you get a light blue box.
9. Do the same for each number, until all of the boxes are either light blue or white. White means not tested.
10. When all the boxes are light blue, print it out - that is your exact Y DNA pattern.
11. You can use this to search for an exact match in Sorenson.
12. To enter these results from Sorenson into the Y search database, you must adjust the number for DYS 389 consult the page in Sorenson about this:  
<http://www.smgf.org/pages/dys389.jsp>  
DYS 441 subtract 1  
DYS 442 subtract 5  
DYS YGATAA subtract 2  
DYS YGATAH 4.1 subtract 10  
These numbers change from time to time, so check to see this is still the same at:  
[http://www.smgf.org/ychromosome/marker\\_standards.jsp](http://www.smgf.org/ychromosome/marker_standards.jsp)  
Sorenson says their database will ask you the source of your data and adjust the data automatically, if you are entering data done by Family Tree DNA or National Geographic Genographic Project. Going the other way, look in Y search to see that your results have been changed as above. Adjust numbers if necessary. After you have entered the adjusted Sorenson numbers into Y search, which has a much bigger database, and search for matches.