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- 1) Myo1 is a class II myosin, Myo2 and Myo4 are class V myosins, and Myo3 and Myo5 are class I myosins.
- 2) One of the best things about the myosin nomenclature is that it's not as bad as the kinesin nomenclature.
- 3) Once you get up to XIII or IVX you realize why most people switched to Arabic numerals about M years ago.
- 4) If the artist formerly known as prince doesn't demonstrate the utter folly of non-pronounceable characters for beings that communicate verbally, listen while I pronounce the difference between MYO2, *MYO2*, and Myo2.
- 5) Which form of nomenclature is the least intuitive and the most likely to kill student interest, create confusion, and generally cause audiences to fall asleep:
 - A) Three letter abbreviations from a screen plus an arbitrary number denoting the order of discovery, e.g., DED461 for the 461st gene you found that causes death when mutated.
 - B) Cutsy mutant names like dimwit or asshole that purport to describe a phenotype but which really just obscure the fact that you probably spent hours learning about this family of proteins in Cell Bio 101.
 - C) ABC2/CAB1/BAC2/AACR11/Confusin/Brain Specific Protein (BSp)* from vertebrate cell biologists who appear to think that the more synonyms a protein has the easier it is to remember. Note that the functional name "BSp" is misleading since BSp is now known to be ubiquitously expressed.
- 6) True or False: it would be a good idea to set up 10 million+ or so separate nomenclature systems so that each species on earth could have its own equally obscure method of keeping track of its 10-30,000 genes.
- 7) What if the protozoans really include something like 20 distinct kingdoms and each of these has its own kingdom specific myosins, kinesins, etc?
- 8) Does the thought "splice form nomenclature" make you tremble with fear?