

1a.

1b.

Gene Families/Groupings, U to Z

- Ubiquitin-like modifier activating enzymes (**UBE1**)
- Ubiquitin-conjugating enzymes E2 (**UBE2**)
- Ubiquitin protein ligase E3 component n-recognin (**UBR**)
- Ubiquitin-specific peptidases (**USP**) **S**
- UBX domain containing (**UBXN**) **S**
- UDP glucuronosyltransferases (**UGT**) **S**
 - UDP Glucuronosyltransferase committee homepage Flinders University
- Voltage-gated ion channels** **S**
 - Voltage-gated ion channels IUPHAR DATABASE HGNC approved
- Vomerolnasal 1 receptors (**VN1R**)
- Vomerolnasal 2 receptors (**VN2R**)
- WD repeat domain genes (**WDR**)
 - The WD repeat Family of Proteins Boston University
- Wingless-type MMTV integration site family (**WNT**) **S**
 - The Wnt homepage Stanford University
 - The Wnt homepage: WNT Nomenclature HGNC approved

The screenshot shows the HGNC (HUGO Gene Nomenclature Committee) website. The 'Full Listing' menu is open, and 'U to Z' is selected. The 'Quick Gene Search' box is also visible, with 'TRPM2' entered in the search field.

1c.

Voltage-gated ion channels

- Voltage-Gated Sodium Channels (Nav) **S**
- Voltage-Gated Calcium Channels (Cav) **S**
- Transient Receptor Potential Channels (TRP) **S****
- CatSper (CATSPER)
- Two-Pore Channels (TPCN)

1e.

Quick Gene Search

Search symbols, keywords or IDs for:

Results that ☐ equal ☐ begin ☐ contain

Display 50 hits

TRPM2

Approved Symbol	Name	Location	Best Match
TRPM2	transient receptor potential cation channel, subfamily M, member 2	21q22.3	Approved Symbol: TRPM2

1d.

Gene Symbol Report (see figure 2)

3. Transient Receptor Potential Channels:

David E. Clapham, David Julius, Craig Montell and Günter Schultz. **Nomenclature and Structure-Function Relationships of Transient Receptor Potential Channels**. *Pharmacol Rev* 2005 57: 427-450. PMID:16382100

Craig Montell, Lutz Bimbaum, Veit Flockerzi, Rene J. Bindels, Elspeth A. Bruford, Michael J. Caterina, David E. Clapham, Christian Harteneck, Stefan Heller, David Julius, Itaru Kojima, Yasuo Mori, Reinhold Penner, Dirk Prawitt, Andrew M. Scharenberg, Günter Schultz, Nobuyoshi Shimizu and Michael X. Zhu. **A Unified Nomenclature for the Superfamily of TRP Cation Channels**. *Mol Cell*. 2002 Feb;9(2):229-31. PMID:11864597

Approved Symbol	Approved Name	Previous Symbols	Synonyms	Chromosome
TRPA1	transient receptor potential cation channel, subfamily A, member 1	ANK TM1		8q13
TRPC1	transient receptor potential cation channel, subfamily C, member 1		HTRP-1	3q23
TRPC2	transient receptor potential cation channel, subfamily C, member 2, pseudogene			11p15.4-p15.3
TRPC3	transient receptor potential cation channel, subfamily C, member 3			4q27
TRPC4	transient receptor potential cation channel, subfamily C, member 4		HTRP4, TRP4	13q13.3
TRPC5	transient receptor potential cation channel, subfamily C, member 5			Xq23
TRPC6	transient receptor potential cation channel, subfamily C, member 6		TRP6	11q22.1
TRPC7	transient receptor potential cation channel, subfamily C, member 7			5q31.2
TRPM1	transient receptor potential cation channel, subfamily M, member 1	MLSN1	LTRPC1	15q13.3
TRPM2	transient receptor potential cation channel, subfamily M, member 2	TRPC7	KNP3, LTRPC2, NUDT9L1, NUDT9H, EREG1	21q22.3
TRPM3	transient receptor potential cation channel, subfamily M, member 3		KIAA1616, LTRPC3, GON-2	9q21.11
TRPM4	transient receptor potential cation channel, subfamily M, member 4		FLJ20041	19q13.3
TRPM5	transient receptor potential cation channel, subfamily M, member 5		LTRPC5, MTR1	11p15.5
TRPM6	transient receptor potential cation channel, subfamily M, member 6	HOMG, HSH	CHAK2, FLJ22628	9q21.13

Fig 1: Finding a gene family at genenames.org. Dotted lines indicate where the webpage screenshot has been cut for brevity.