OncoRef: Other protein review

600 baseline proteins / 611 member genes

This report separates confirmed normal production, unresolved normal findings, and proteins that remain Other under the measured screen. Every member was searched; retrieved papers are leads until individually adjudicated. Research categories are not clinical safety guarantees.

Complete current universe

Classification	Proteins
Unsafe	18062
CTA	701
Unassessed	646
Other:Low	210
Other:Normal	124
Other:Weak	67
Other:Tumor-supported	46
Other:Diffuse	6
Other:Disposable	1

Independent gates

Normal safety establishes Unsafe. Cancer presence (>0 TPM/pTPM or reliable tumor protein), reproductive presence (supported RNA or protein), concentration, and required coverage independently establish CTA eligibility. Missing or conflicting normal evidence is Unassessed.

Sequence roles

CTA: candidate direct target. Unsafe: exclude shared sequence. Other: no exclusion under this research policy, but not a direct target. Unassessed: review; never silently allow. Selected reference proteins do not cover every isoform or establish peptide presentation.

Transitions among the 600

Before	After	Proteins
Other:Diffuse	Other:Diffuse	6
Other:Diffuse	Unassessed	2
Other:Disposable	Other:Disposable	1
Other:Disposable	Unassessed	1
Other:Inducible	Unsafe	5
Other:Low	Other:Low	210
Other:Low	Unassessed	39
Other:Low	Unsafe	5
Other:Normal	Other:Normal	124
Other:Normal	Unassessed	38
Other:Normal	Unsafe	9
Other:Reproductive	CTA	2
Other:Tumor-supported	Other:Tumor-supported	46
Other:Tumor-supported	Unassessed	14
Other:Tumor-supported	Unsafe	6
Other:Weak	CTA	1
Other:Weak	Other:Weak	67
Other:Weak	Unassessed	18
Other:Weak	Unsafe	6

Tissue audit

Of 170 baseline Other:Normal proteins with appreciable nonreproductive RNA, 41 have skin measurements and 33 reach the floor only in skin. Overlapping counts include 81 Vital and 59 Protected. Most remain below the existing safety ceilings. Rare normal cells and activation states need separate evidence.

Evidence limitations

Sparse olfactory-neuron counts are review evidence, not TPM or protein. Human/animal, adult/fetal and gene/isoform evidence are not interchangeable. Three raw normal observations above 30 remain explicit review holds despite inadequate read or recurrence support.

Linked complete evidence

Online audit, all source citations, per-protein CSV, native tissue measurements, and 143-cohort cancer audit

Every baseline Other protein

The table includes every member of the baseline protein set. Full native measurements, reviewed sources and search coverage are provided in the linked CSV and online reference.

Protein	Now	Reason
A3GALT2	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. A normal human dendritic-cell glycosphingolipid product is not direct measurement of the encoded enzyme; review pathway and gene attribution.
AADACL3	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
AADACL4	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
AMELX	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
AMELY	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
ANKRD60	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
ANP32D	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
APOL5	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
ARL14EPL	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
ARL5C	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
ARSH	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
ASCL4	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
AWAT1	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
BHLHE23	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
BPIFB3	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
BPIFB6	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
BPY2/B/C	CTA	Independent cancer presence, reproductive presence, concentration, normal safety and required coverage pass. VCY2/BPY2 protein is detected in normal human male germ cells.
C1orf232	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
CCDC195	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
CDCP2	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
CDY1/B	CTA	Independent cancer presence, reproductive presence, concentration, normal safety and required coverage pass. Positive cancer RNA below 2 TPM now establishes presence; it does not establish therapeutic abundance.

Protein	Now	Reason
CHRNA9	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Expressed in cochlea, keratinocytes, pituitary gland, B-cells and T-cells
CIB3	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
CLDN25	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported enriched RNA in a defined adult human olfactory population.
CLRN2	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Plays a key role to hearing function. Required for normal organization and maintenance of the stereocilia bundle and for mechano-electrical transduction Deafness, autosomal recessive, 117: A form of non-syndromic deafness characterized by prelingual, moderate-to-profound sensorineural hearing loss. Sensorineural hearing loss results from damage to the neural receptors of the inner ear, the nerve pathways to the brain, or the area of the brain that receives sound information.
CNGA2	Unsafe	Established non-permitted normal production supplies exclusion evidence; this does not assert a known clinical injury. Normal human arterial endothelium and smooth muscle show localized CNGA2 RNA and protein.
CST9	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Expressed in heart, placenta, lung, liver, skeletal muscle and pancreas (PubMed:12535658). Not expressed in brain (PubMed:12535658). Expressed in epididymis, kidney, testis, spinal cord, and thymus with a strong expression in epididymis and kidney and a weak expression in the spinal cord and thymus (PubMed:20565543)
CYP26C1	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
DBX1	Other:Tumor-supported	Cancer evidence is substantial, but reproductive identity and tumor restriction are not established. Not a direct target.
DCANP1	Unsafe	Established non-permitted normal production supplies exclusion evidence; this does not assert a known clinical injury. Human DCNP1/DCANP1 protein localizes in dendritic cells; normal-tissue immunostaining supports production.
DEFB115	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
DEFB116	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
DEFB125	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
DGAT2L6	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
DSG4	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. In scalp follicles, present in the inner root sheath (IRS) and all layers of the matrix and precortex (at protein level) (PubMed:12705872, PubMed:26173648). Expressed in the brain, muscle, kidney, pancreas, spleen, thymus and weakly expressed in the lung, liver, heart and placenta (PubMed:12705872). Highly expressed in skin, testis and prostate; less in salivary gland (PubMed:12648213). Expressed in the esophageal mucosa (PubMed:24220297)
DSPP	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
DUX4	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Human testis full-length protein is supported, while healthy muscle produces a shorter splice form and FSHD muscle produces full-length protein. Sequence/isoform-specific clearance is needed.
ENSG00000236543	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.

Protein	Now	Reason
ENSG00000284779	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
ENSG00000285566	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
ENSG00000286224	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
ENSG00000287585	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
FAM240B	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
FAM246A	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
FAM246B	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
FAM90A10	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
FAM90A13	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
FAM90A14	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
FAM90A16/7	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
FAM90A18/9	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
FAM90A22	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
FAM90A23	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
FAM90A26	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
FAM90A3	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
FAM90A5	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
FAM90A7	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
FAM90A8	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
FAM90A9	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.

Protein	Now	Reason
FOXE3	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Transcription factor that controls lens epithelial cell growth through regulation of proliferation, apoptosis and cell cycle (PubMed:22527307, PubMed:25504734). During lens development, controls the ratio of the lens fiber cells to the cells of the anterior lens epithelium by regulating the rate of proliferation and differentiation (By similarity). Controls lens vesicle closure and subsequent separation of the lens vesicle from ectoderm (By similarity). Controls the expression of DNAJB1 in a pathway that is crucial for the development of the anterior segment of the eye (PubMed:27218149) Anterior segment dysgenesis 2: A form of anterior segment dysgenesis, a group of defects affecting anterior structures of the eye including cornea, iris, lens, trabecular meshwork, and Schlemm canal. Anterior segment dysgeneses result from abnormal migration or differentiation of the neural crest derived
FOXI2	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported enriched RNA in a defined adult human olfactory population.
FRMD7	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Expressed in liver, kidney, pancreas and at low levels in brain and heart. Expressed in embryonic brain and developing neural retina
FUT5	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
GALR3	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
GFRA4	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
GFRAL	Unsafe	Established non-permitted normal production supplies exclusion evidence; this does not assert a known clinical injury. Normal human brainstem neurons express GFRAL.
GJE1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
GLYATL3	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
GOLGA6L26	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
GPR142	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. The cited physiological study is largely rodent; the human islet annotation requires a human-specific protein/localization assessment.
GPR148	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Expression restricted to nervous system and testis. Is also detected in several tumors types, most notably prostate cancer
GPR152	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
GPR31	Unsafe	Established non-permitted normal production supplies exclusion evidence; this does not assert a known clinical injury. Human intestinal cDC1s express GPR31; human cell models support receptor-dependent antigen-sampling function.
GPR33	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
GPX6	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
GSTT2	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
GSX2	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.

Protein	Now	Reason
H2BW2	Other:Diffuse	The complete adult expression profile is too dispersed for CTA identity; normal expression does not establish Unsafe.
HES3	Other:Tumor-supported	Cancer evidence is substantial, but reproductive identity and tumor restriction are not established. Not a direct target.
HOXC12	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
HOXC13	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
HOXD12	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
HTR3C	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Expressed in many tissues including adult brain, colon, intestine, lung, muscle and stomach as well as fetal colon and kidney
HTR3D	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Expressed in liver, as well as fetal and adult colon and kidney
HUS1B	Other:Diffuse	The complete adult expression profile is too dispersed for CTA identity; normal expression does not establish Unsafe.
IFNA1	Unsafe	Established non-permitted normal production supplies exclusion evidence; this does not assert a known clinical injury. Reported secreted normal immune-cell protein, increased after activation.
IFNA10	Unsafe	Established non-permitted normal production supplies exclusion evidence; this does not assert a known clinical injury. Reported secreted normal immune-cell protein, increased after activation.
IFNA13	Unsafe	Established non-permitted normal production supplies exclusion evidence; this does not assert a known clinical injury. Reported secreted normal immune-cell protein, increased after activation.
IFNA14	Unsafe	Established non-permitted normal production supplies exclusion evidence; this does not assert a known clinical injury. Reported secreted normal immune-cell protein, increased after activation.
IFNA16	Unsafe	Established non-permitted normal production supplies exclusion evidence; this does not assert a known clinical injury. Reported secreted normal immune-cell protein, increased after activation.
IFNA17	Unsafe	Established non-permitted normal production supplies exclusion evidence; this does not assert a known clinical injury. Reported secreted normal immune-cell protein, increased after activation.
IFNA2	Unsafe	Established non-permitted normal production supplies exclusion evidence; this does not assert a known clinical injury. Reported secreted normal immune-cell protein, increased after activation.
IFNA21	Unsafe	Established non-permitted normal production supplies exclusion evidence; this does not assert a known clinical injury. Reported secreted normal immune-cell protein, increased after activation.
IFNA4	Unsafe	Established non-permitted normal production supplies exclusion evidence; this does not assert a known clinical injury. Reported secreted normal immune-cell protein, increased after activation.
IFNA5	Unsafe	Established non-permitted normal production supplies exclusion evidence; this does not assert a known clinical injury. Reported secreted normal immune-cell protein, increased after activation.
IFNA6	Unsafe	Established non-permitted normal production supplies exclusion evidence; this does not assert a known clinical injury. Reported secreted normal immune-cell protein, increased after activation.

Protein	Now	Reason
IFNA7	Unsafe	Established non-permitted normal production supplies exclusion evidence; this does not assert a known clinical injury. Reported secreted normal immune-cell protein, increased after activation.
IFNA8	Unsafe	Established non-permitted normal production supplies exclusion evidence; this does not assert a known clinical injury. Reported secreted normal immune-cell protein, increased after activation.
IFNB1	Unsafe	Established non-permitted normal production supplies exclusion evidence; this does not assert a known clinical injury. Reported secreted normal immune-cell protein, increased after activation.
IFNL2	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Human plasma contains IFNL2 during immune activation; determine producing cell and assay specificity relative to IFNL3 before clearance.
IFNL3	Unsafe	Established non-permitted normal production supplies exclusion evidence; this does not assert a known clinical injury. Reported secreted normal immune-cell protein, increased after activation.
IFNL4	Unsafe	Established non-permitted normal production supplies exclusion evidence; this does not assert a known clinical injury. Activated primary human hepatocytes from donors carrying the protein-producing allele express endogenous IFNL4 protein.
IFNW1	Unsafe	Established non-permitted normal production supplies exclusion evidence; this does not assert a known clinical injury. Reported secreted normal immune-cell protein, increased after activation.
IL1F10	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
IL25	Unsafe	Established non-permitted normal production supplies exclusion evidence; this does not assert a known clinical injury. Normal human bronchial epithelial cells contain IL-25 protein at rest, with release during activation.
IL36B	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
IL9	Unsafe	Established non-permitted normal production supplies exclusion evidence; this does not assert a known clinical injury. Normal human activated T cells produce IL-9 protein.
ITIH6	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
KCNA10	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Human evidence is in situ RNA; antibody localization is rat and must not be called human protein.
KCNJ18	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Gene-specific normal human muscle Northern blot and channel biology warrant a hold despite below-ceiling panel RNA; patient mutations are not therapeutic injury.
KCNK18	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Human and mouse Treg findings must be separated; thymic permissiveness does not establish absence in circulating or tissue Tregs.
KDM4F	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
KIR3DL3	Unsafe	Established non-permitted normal production supplies exclusion evidence; this does not assert a known clinical injury. Specific antibody flow cytometry detects KIR3DL3 on rare normal lymphocytes, including peripheral blood and mucosal populations.
KRT28	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.

Protein	Now	Reason
KRT37	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
KRT38	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
KRT39	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
KRT82	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
KRT9	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
KRTAP1-4	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
KRTAP10-1	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
KRTAP10-11	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
KRTAP10-12	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
KRTAP10-2	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
KRTAP10-4	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
KRTAP10-5	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
KRTAP10-6	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
KRTAP10-7	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
KRTAP10-8	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
KRTAP10-9	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
KRTAP12-3	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
KRTAP12-4	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
KRTAP13-1	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
KRTAP13-3	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
KRTAP13-4	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
KRTAP15-1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
KRTAP19-1	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
KRTAP19-2	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.

Protein	Now	Reason
KRTAP19-4	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
KRTAP19-6	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
KRTAP19-7	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
KRTAP19-8	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
KRTAP20-1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
KRTAP20-2	Other:Tumor-supported	Cancer evidence is substantial, but reproductive identity and tumor restriction are not established. Not a direct target.
KRTAP20-3	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
KRTAP20-4	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
KRTAP21-1	Other:Tumor-supported	Cancer evidence is substantial, but reproductive identity and tumor restriction are not established. Not a direct target.
KRTAP21-3	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
KRTAP22-1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
KRTAP22-2	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
KRTAP23-1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
KRTAP25-1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
KRTAP29-1	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
KRTAP4-1	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
KRTAP4-16	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
KRTAP4-5	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
KRTAP5-10	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
KRTAP5-11	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
KRTAP5-3	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
KRTAP5-4	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
KRTAP5-5	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
KRTAP5-6	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.

Protein	Now	Reason
KRTAP5-7	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
KRTAP5-9	Other:Diffuse	The complete adult expression profile is too dispersed for CTA identity; normal expression does not establish Unsafe.
KRTAP6-1	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
KRTAP6-2	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
KRTAP6-3	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
KRTAP9-1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
KRTAP9-6	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
KRTAP9-7	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
LACTBL1	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
LCE3B	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
LCE3C	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
LCE4A	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
LCE7A	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
LENEP	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Human lens-cell expression/promoter evidence and animal localization require adult human protein adjudication.
MAGEB17	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
MAGEB6B	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
MARCOL	Other:Tumor-supported	Cancer evidence is substantial, but reproductive identity and tumor restriction are not established. Not a direct target.
MAS1L	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
MDFIC2	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
MLNR	Unsafe	Established non-permitted normal production supplies exclusion evidence; this does not assert a known clinical injury. Normal-appearing human gut shows motilin-receptor protein in muscle and cholinergic enteric neurons, with orthogonal functional responses.
MRGPRG	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
MRGPRX4	Unsafe	Established non-permitted normal production supplies exclusion evidence; this does not assert a known clinical injury. Human normal DRG neurons show localized RNA and protein; approximately 6–8% of neurons are positive.
MROH2A	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.

Protein	Now	Reason
MSLNL	Other:Tumor-supported	Cancer evidence is substantial, but reproductive identity and tumor restriction are not established. Not a direct target.
MTCP1	Other:Diffuse	The complete adult expression profile is too dispersed for CTA identity; normal expression does not establish Unsafe.
MYMK	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Myoblast-specific protein that mediates myoblast fusion, an essential step for the formation of multi-nucleated muscle fibers (PubMed:28681861). Actively participates in the membrane fusion reaction by mediating the mixing of cell membrane lipids (hemifusion) upstream of MYMX. Acts independently of MYMX (By similarity). Involved in skeletal muscle regeneration in response to injury by mediating the fusion of satellite cells, a population of muscle stem cells, with injured myofibers (By similarity). Also involved in skeletal muscle hypertrophy, probably by mediating the fusion of satellite cells with myofibers (By similarity) Carey-Fineman-Ziter syndrome 1: An autosomal recessive multisystem disorder characterized by hypotonia, bilateral congenital facial palsy with impairment of ocular abduction (Moebius sequence), micrognathia, glossoptosis and high-arched or cleft palate (Pierre Robin
NBPF4	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
NCR2	Unsafe	Established non-permitted normal production supplies exclusion evidence; this does not assert a known clinical injury. NKp44 is a surface receptor of activated human normal lymphocytes.
NEU2	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
NKX1-1	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Human CD34-positive progenitor transcripts include this historical homeobox sequence; exact contemporary identity and adult protein need resolution.
NKX2-6	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
NLRP2B	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Widely detected RNA and activation in human monocytic cells warrant review; transfected protein function alone does not establish primary normal-cell protein.
NOBOX	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Human RT-PCR detects pancreas as well as ovary/testis; oocyte expression does not resolve pancreatic safety.
NPBWR1	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Found in cerebellum and frontal cortex. Detected at high levels in hippocampus, amygdala and trachea; at moderate levels in fetal brain, pituitary gland and prostate. Not in caudate, accumbens, kidney or liver. Also detected at high levels in lung carcinoma
NPS	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Ligand for NPSR1 (PubMed:15312648, PubMed:15947423, PubMed:16720571, PubMed:16790440). Binds to its receptor with nanomolar affinity and initiates a G(q)/GNAQ-dependent phospholipase C-activating signaling pathway. This results in Ca(2+) mobilization from intracellular stores and increased intracellular Ca(2+) levels (PubMed:15312648, PubMed:15947423, PubMed:16720571, PubMed:16790440, PubMed:25714705, PubMed:26865629). In addition to this pathway, NPS binding to its receptor activates cAMP/PKA signal transduction (PubMed:26865629). Finally, both pathways converge to activate ERK1/ERK2 phosphorylation and signaling cascade (PubMed:26865629). Modulates arousal and anxiety. May play an important anorexigenic role (By similarity)
NPY4R2	Other:Tumor-supported	Cancer evidence is substantial, but reproductive identity and tumor restriction are not established. Not a direct target.

Protein	Now	Reason
OC90	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Major protein of the otoconia, a calcium carbonate structure in the saccule and utricle of the ear. Together with OTOL1, acts as a scaffold for otoconia biomineralization: sequesters calcium and forms interconnecting fibrils between otoconia that are incorporated into the calcium crystal structure. Together with OTOL1, modulates calcite crystal morphology and growth kinetics. It is unlikely that this protein has phospholipase A2 activity
OCM2	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OCSTAMP	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
OOSP1	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
OOSP3	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
OR10A2	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR10A3	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
OR10A4	Other:Tumor-supported	Cancer evidence is substantial, but reproductive identity and tumor restriction are not established. Not a direct target.
OR10A5	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR10A6	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR10A7	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR10AC1	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
OR10AG1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR10C1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR10D3	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR10G6	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR10G7	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR10G8	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR10G9	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR10H2	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR10H3	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.

Protein	Now	Reason
OR10H4	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR10J3	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
OR10J4	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
OR10J5	Unsafe	Established non-permitted normal production supplies exclusion evidence; this does not assert a known clinical injury. Human vascular and endothelial OR10J5 expression has orthogonal functional evidence.
OR10K2	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR10P1	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
OR10Q1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR10S1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR10T2	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR10V1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR10W1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR10X1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR11G2	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR11H1	Other:Tumor-supported	Cancer evidence is substantial, but reproductive identity and tumor restriction are not established. Not a direct target.
OR11H12	Other:Tumor-supported	Cancer evidence is substantial, but reproductive identity and tumor restriction are not established. Not a direct target.
OR11H2	Other:Tumor-supported	Cancer evidence is substantial, but reproductive identity and tumor restriction are not established. Not a direct target.
OR11H4	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
OR11H6	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR11H7	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
OR11L1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR12D1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR12D2	Other:Tumor-supported	Cancer evidence is substantial, but reproductive identity and tumor restriction are not established. Not a direct target.
OR12D3	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.

Protein	Now	Reason
OR13C2	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
OR13C3	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR13C4	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
OR13C5	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
OR13C7	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR13C8	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR13C9	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR13D1	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
OR13F1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR13G1	Other:Tumor-supported	Cancer evidence is substantial, but reproductive identity and tumor restriction are not established. Not a direct target.
OR13H1	Other:Tumor-supported	Cancer evidence is substantial, but reproductive identity and tumor restriction are not established. Not a direct target.
OR14A16	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
OR14C36	Other:Tumor-supported	Cancer evidence is substantial, but reproductive identity and tumor restriction are not established. Not a direct target.
OR14K1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR1A2	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR1B1	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
OR1C1	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR1D5	Other:Tumor-supported	Cancer evidence is substantial, but reproductive identity and tumor restriction are not established. Not a direct target.
OR1E1	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR1E2	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
OR1G1	Other:Tumor-supported	Cancer evidence is substantial, but reproductive identity and tumor restriction are not established. Not a direct target.
OR1J1	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
OR1J4	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.

Protein	Now	Reason
OR1K1	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
OR1L1	Other:Tumor-supported	Cancer evidence is substantial, but reproductive identity and tumor restriction are not established. Not a direct target.
OR1L3	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR1L4	Other:Tumor-supported	Cancer evidence is substantial, but reproductive identity and tumor restriction are not established. Not a direct target.
OR1L6	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR1N2	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
OR1P1	Other:Tumor-supported	Cancer evidence is substantial, but reproductive identity and tumor restriction are not established. Not a direct target.
OR1S1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR1S2	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR2A12	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR2A14	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR2A2	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR2A5	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR2AE1	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
OR2AG1	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
OR2AJ1	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR2B2	Other:Tumor-supported	Cancer evidence is substantial, but reproductive identity and tumor restriction are not established. Not a direct target.
OR2B3	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR2B6	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. A raw non-permitted normal observation exceeds 30 nTPM but does not meet the source support rule.
OR2B8	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR2C1	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
OR2D2	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
OR2D3	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.

Protein	Now	Reason
OR2F2	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR2G2	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR2G3	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR2J1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR2J2	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
OR2K2	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR2M2	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR2M5	Other:Tumor-supported	Cancer evidence is substantial, but reproductive identity and tumor restriction are not established. Not a direct target.
OR2M7	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR2S2	Other:Tumor-supported	Cancer evidence is substantial, but reproductive identity and tumor restriction are not established. Not a direct target.
OR2T1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR2T2	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
OR2T27	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR2T29	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR2T3	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
OR2T33	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
OR2T34	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
OR2T35	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR2T4	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR2T5	Other:Tumor-supported	Cancer evidence is substantial, but reproductive identity and tumor restriction are not established. Not a direct target.
OR2T6	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR2T7	CTA	Independent cancer presence, reproductive presence, concentration, normal safety and required coverage pass. Positive cancer RNA below 2 TPM now establishes presence; it does not establish therapeutic abundance.
OR2V2	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.

Protein	Now	Reason
OR2W1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR2Y1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR2Z1	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR3A3	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR4A15	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR4A16	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR4A47	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR4A5	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR4A8	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR4B1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR4C11	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR4C12	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR4C13	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR4C15	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR4C16	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR4C3	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR4C45	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR4C46	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR4C5	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR4C6	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR4D10	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR4D11	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR4D2	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.

Protein	Now	Reason
OR4D5	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR4D6	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR4E1	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
OR4E2	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
OR4F15	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR4F16/29/3	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
OR4F21	Other:Tumor-supported	Cancer evidence is substantial, but reproductive identity and tumor restriction are not established. Not a direct target.
OR4F4	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR4F5	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR4F6	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR4K1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR4K13	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR4K14	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR4K15	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR4K2	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR4K3	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR4K5	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR4L1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR4M2B	Other:Tumor-supported	Cancer evidence is substantial, but reproductive identity and tumor restriction are not established. Not a direct target.
OR4N5	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR4P4	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR4Q2	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.

Protein	Now	Reason
OR4Q3	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
OR4S1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR4S2	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR4X1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR4X2	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR51A2	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR51A4	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR51A7	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
OR51B2	Other:Tumor-supported	Cancer evidence is substantial, but reproductive identity and tumor restriction are not established. Not a direct target.
OR51B4	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
OR51B6	Other:Tumor-supported	Cancer evidence is substantial, but reproductive identity and tumor restriction are not established. Not a direct target.
OR51C1	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
OR51D1	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
OR51F1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR51F2	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR51G1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR51G2	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR51I1	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
OR51I2	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR51L1	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR51Q1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR51S1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR51T1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.

Protein	Now	Reason
OR51V1	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR52A5	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR52B2	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR52B4	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR52B6	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
OR52D1	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
OR52E1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR52E2	Other:Tumor-supported	Cancer evidence is substantial, but reproductive identity and tumor restriction are not established. Not a direct target.
OR52E5	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR52E6	Other:Tumor-supported	Cancer evidence is substantial, but reproductive identity and tumor restriction are not established. Not a direct target.
OR52E8	Other:Tumor-supported	Cancer evidence is substantial, but reproductive identity and tumor restriction are not established. Not a direct target.
OR52H1	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR52I1	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR52I2	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR52J3	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR52L1	Other:Tumor-supported	Cancer evidence is substantial, but reproductive identity and tumor restriction are not established. Not a direct target.
OR52M1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR52N2	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR52P1	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
OR52R1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR52W1	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.

Protein	Now	Reason
OR56A1	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR56A5	Other:Tumor-supported	Cancer evidence is substantial, but reproductive identity and tumor restriction are not established. Not a direct target.
OR56B1	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR56B2	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
OR56B4	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
OR5AC1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR5AC2	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
OR5AK2	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
OR5AK3P	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
OR5AL1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR5AN1	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR5AP2	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR5AR1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR5AU1	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR5B12	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR5B17	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR5B2	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR5B21	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
OR5B3	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR5BS1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR5C1	Other:Tumor-supported	Cancer evidence is substantial, but reproductive identity and tumor restriction are not established. Not a direct target.
OR5D13	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.

Protein	Now	Reason
OR5D14	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR5D16	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR5D18	Other:Tumor-supported	Cancer evidence is substantial, but reproductive identity and tumor restriction are not established. Not a direct target.
OR5D3P	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR5F1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR5H14	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
OR5H15	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR5H2	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR5H6	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
OR5H8	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR5I1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR5J2	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR5K1	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR5K2	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
OR5K3	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR5K4	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR5L1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR5L2	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR5M1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR5M10	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR5M11	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
OR5M3	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.

Protein	Now	Reason
OR5M8	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR5M9	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR5T1	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR5T2	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR5T3	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR5W2	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR6A2	Unsafe	Established non-permitted normal production supplies exclusion evidence; this does not assert a known clinical injury. Human OR6A2 participates in macrophage responses; the study separately tests mouse Olfr2. Reported RNA in normal human olfactory sensory neurons.
OR6B1	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR6C1	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR6C2	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons. A raw non-permitted normal observation exceeds 30 TPM but does not meet the source support rule.
OR6C3	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR6C4	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR6C6	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR6C65	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR6C68	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
OR6C70	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
OR6C75	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR6C76	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR6K2	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR6K6	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.

Protein	Now	Reason
OR6M1	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
OR6P1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR6Q1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR6S1	Other:Tumor-supported	Cancer evidence is substantial, but reproductive identity and tumor restriction are not established. Not a direct target.
OR6T1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR6V1	Other:Tumor-supported	Cancer evidence is substantial, but reproductive identity and tumor restriction are not established. Not a direct target.
OR6X1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR7A10	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR7C2	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR7G1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR7G2	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR7G3	Other:Tumor-supported	Cancer evidence is substantial, but reproductive identity and tumor restriction are not established. Not a direct target.
OR8B12	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR8B4	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR8D1	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR8D2	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR8G2P	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR8G3	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
OR8H1	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR8H2	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR8H3	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR8I2	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.

Protein	Now	Reason
OR8J1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR8J2	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR8J3	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR8K1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR8K3	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR8K5	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR8S1	Other:Tumor-supported	Cancer evidence is substantial, but reproductive identity and tumor restriction are not established. Not a direct target.
OR8U1	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR8U3	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
OR9A1P	Other:Tumor-supported	Cancer evidence is substantial, but reproductive identity and tumor restriction are not established. Not a direct target.
OR9G1	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR9G4	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR9I1	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR9K2	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OR9Q2	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported RNA in normal human olfactory sensory neurons.
OTOL1	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Collagen-like protein specifically expressed in the inner ear, which provides an organic scaffold for otoconia, a calcium carbonate structure in the saccule and utricle of the ear. Acts as a scaffold for biomineralization: sequesters calcium and forms interconnecting fibrils between otoconia that are incorporated into the calcium crystal structure. Together with OC90, modulates calcite crystal morphology and growth kinetics
OTOP1	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
OTOR	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Human fetal cochlear cloning and human/avian Northern evidence require stage-specific adult human localization.
OXGR1	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Normal human kidney RNA is reported; protein abundance and cellular localization remain unresolved in this record.

Protein	Now	Reason
P2RY4	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
PANX3	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
PCDHB1	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Reported enriched RNA in a defined adult human olfactory population.
PERCC1	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Human congenital intestinal disease plus mouse expression/function identifies a coverage concern; it does not establish adult human protein abundance.
PLA2G2E	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Human normal-organ RNA contradicts a Disposable-only interpretation; activated macrophage localization in this paper is mouse.
POTEA	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
POTEB/2	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
POTED	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
POTEJ	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
POU4F3	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Human retina supplied transcript sequences; the described protein-localization experiments are other vertebrates. Adult human sensory production needs direct adjudication.
PPIAL4A	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Highly expressed in brain, ovary and mammary gland. Moderately expressed in lung, salivary gland, kidney, skin, adipose tissue, intestine and spleen. Weakly expressed in skeletal muscle, liver and stomach. Expressed in pleiomorphic and undifferentiated liposarcomas, osteosarcomas and breast carcinomas
PPIAL4E/F	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
PRAMEF33	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
PRAMEF5	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
PROKR1	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
PRR23C	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
PWWP4	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
RAB6D	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
RLN3	Unsafe	Established non-permitted normal production supplies exclusion evidence; this does not assert a known clinical injury. Postmortem human brainstem contains relaxin-3-positive neurons in the nucleus incertus.
SCGB1C1	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.

Protein	Now	Reason
SCGB1C2	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. A raw non-permitted normal observation exceeds 30 nTPM but does not meet the source support rule.
SCN10A	Unsafe	Established non-permitted normal production supplies exclusion evidence; this does not assert a known clinical injury. SCN10A is a marker of multiple normal human sensory-neuron populations with spatial validation.
SCYGR1	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
SCYGR10	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
SCYGR2	Other:Tumor-supported	Cancer evidence is substantial, but reproductive identity and tumor restriction are not established. Not a direct target.
SCYGR3	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
SCYGR5	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
SCYGR6	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
SCYGR7	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
SCYGR8	Other:Tumor-supported	Cancer evidence is substantial, but reproductive identity and tumor restriction are not established. Not a direct target.
SEBOX	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
SH2D4B	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
SLC2A7	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Human intestinal Northern RNA is positive, but Western/IHC in this study is rat. Adult human protein needs resolution.
SLC35G4	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
SMIM28	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
SPATA31A3	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
SPATA31A5	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
SPATA31A6	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
SPATA31A7	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
SPDYE13/4/5	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
SRMS	Other:Diffuse	The complete adult expression profile is too dispersed for CTA identity; normal expression does not establish Unsafe.
SSTR4	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Specifically expressed in fetal and adult brain, lung tissue, stomach, and in lesser quantities in the kidney, pituitary and adrenals
SUPT20HL1	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.

Protein	Now	Reason
TAAR2	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
TAAR5	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Expressed almost exclusively in skeletal muscle and selected areas of the brain, such amygdala, hippocampus, caudate nucleus, thalamus and hypothalamus (PubMed:9464258). Weak expression is also find in substantia nigra (PubMed:9464258)
TAAR6	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Human normal-brain RT-PCR requires compartment and protein assessment; association with schizophrenia is not itself a toxicity finding.
TAAR8	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Mixed human/rodent receptor-family study supports a normal-expression concern; no cross-species or paralog substitution is accepted.
TAAR9	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
TAF11L2	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
TAF11L3	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
TAF11L4	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
TAS1R2	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
TAS2R13	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
TAS2R16	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
TAS2R41	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
TAS2R42	Other:Tumor-supported	Cancer evidence is substantial, but reproductive identity and tumor restriction are not established. Not a direct target.
TAS2R43	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Normal human airway bitter-receptor localization raises a relevant safety concern; confirm gene-specific reagent and receptor identity.
TAS2R50	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
TAS2R60	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
TAS2R7	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
TAS2R8	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
TAS2R9	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
TCAF2C	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
TCHHL1	Other:Disposable	Appreciable expression is confined to permitted Disposable contexts under the measured screen; no qualifying CTA identity.

Protein	Now	Reason
TECTB	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. One of the major non-collagenous components of the tectorial membrane (By similarity). The tectorial membrane is an extracellular matrix of the inner ear that covers the neuroepithelium of the cochlea and contacts the stereocilia bundles of specialized sensory hair cells. Sound induces movement of these hair cells relative to the tectorial membrane, deflects the stereocilia and leads to fluctuations in hair-cell membrane potential, transducing sound into electrical signals
TEX13B	Other:Tumor-supported	Cancer evidence is substantial, but reproductive identity and tumor restriction are not established. Not a direct target.
TGM6	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Catalyzes the cross-linking of proteins and the conjugation of polyamines to proteins Spinocerebellar ataxia 35: A form of spinocerebellar ataxia, a clinically and genetically heterogeneous group of cerebellar disorders. Patients show progressive incoordination of gait and often poor coordination of hands, speech and eye movements, due to degeneration of the cerebellum with variable involvement of the brainstem and spinal cord. SCA35 patients commonly show upper limb involvement and torticollis. There is no cognitive impairment.
TOMT	Unassessed	Normal evidence is unresolved; review before direct targeting or shared-sequence clearance. Human deafness and alternative-reading-frame protein evidence warrant review of adult sensory cells and the exact selected protein.
TRIM51G	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
TRIM64C	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
TTLL8	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
UCP1	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
USP17L1	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
USP17L10	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
USP17L11	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
USP17L12	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
USP17L13	Other:Tumor-supported	Cancer evidence is substantial, but reproductive identity and tumor restriction are not established. Not a direct target.
USP17L17	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
USP17L18	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
USP17L19	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
USP17L20	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
USP17L21	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
USP17L23	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.

Protein	Now	Reason
USP17L3	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
USP17L4	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
USP17L5	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
USP17L7	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
USP17L8	Other:Tumor-supported	Cancer evidence is substantial, but reproductive identity and tumor restriction are not established. Not a direct target.
VHLL	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
VN1R2	Other:Diffuse	The complete adult expression profile is too dispersed for CTA identity; normal expression does not establish Unsafe.
VN1R4	Other:Low	Measured normal RNA stays below the descriptive floor, with no detected normal protein. Not a demonstrated absence or a direct target.
VN1R5	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
WNT8B	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
ZNF648	Other:Normal	Supported normal expression is below the tissue-specific safety ceilings; reproductive identity does not qualify.
ZNF705B	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.
ZNF705D	Other:Weak	No qualifying reproductive route; observations lack sufficient abundance or support. Retain raw values and assay gaps.