**STYLE SHEET**

NUSAP1 and KIAA0101 downregulation by neo-adjuvant therapy is associated with better therapeutic outcome and survival in breast cancer

Magallanes-Garza GI et al.

GW Zelchenko, Copy editor

**Guide:**

American Medical Association (AMA) style has been used whenever possible, except for references, which were not to be edited. (Note, I believe you are using American Psychological Association (APA) style for the references. Most medical journals that the superb caliber of your paper will reach use AMA style. I highly recommend changing your references to AMA style.)

In the various lists below, when an entry (generally a term followed by its abbreviation in parentheses) is followed by comma and a number, that means that the term is first abbreviated at that page number. So, for example,

biopsy sample (BS), 5

means that “biopsy sample” is first abbreviated as “BS” on page 5 (and should be always abbreviated as “BS” thereafter.

Whenever a check [🗸] mark is found in square brackets, it means I have verified the term from one or more of a variety of sources. Some of my sources are:

GeneCards (<https://www.genecards.org/>)

MW = Merriam-Webster, an English dictionary that is often used by professional editors (<https://www.merriam-webster.com/dictionary/>)

Manufacturer = generally means the manufacturer’s website. I often specify the site or manufacturer afterwards

So, for example, [🗸 GeneCards] means I have verified the gene’s symbol (and possibly other relevant information at the GeneCard website)

**Main list**

12 Fr (French gauge 12) *see* <https://radiopaedia.org/articles/french-gauge?lang=us>

American Joint Committee on Cancer (AJCC – used only once, so **deleted**), 6

American Society of Clinical Oncology/College of American Pathologists

~~anaphase promoter complex~~ – ***use*** anaphase promoting complex [🗸PubMed]

anaphase promoting complex; anaphase promoting complex–dependent catabolic process [🗸PubMed]

Autonomous University of Nuevo León, the (AUNL), 26

BALB/c-nu [🗸manufacturer, Janvier Labs]

Bard Magnum; Bard Magnum 12 Fr gauge

biomarker

biopsy sample (BS), 5

Bloom–Richardson score, the – *see* ref 23

breast cancer (BC), abs, 3

cell cycle control; cell cycle regulation pathways

Center for Research and Development in Health Sciences (CIDICS), 26

Centro de Cáncer de Mama (Breast Cancer Center) of the Hospital San José in Monterrey, Mexico, 4 (🗸 *per* <https://www.tecsalud.mx/centro-de-cancer-de-mama> and <https://www.tecsalud.mx>)

Cycle threshold (*Ct*) [unit] 🗸

cyclophosphamide/doxorubicin or cyclophosphamide/epirubicin

cyclophosphamide-doxorubicin/epirubicin

*dCt* vs Δ*Ct*; also2-dd*Ct vs* 2−ΔΔ*Ct* [units]

decision-making [🗸MW]

Declaration of Helsinki [🗸 <https://www.wma.net/policies-post/wma-declaration-of-helsinki-ethical-principles-for-medical-research-involving-human-subjects/>]

differential gene expression signature analysis

disease-free survival (DFS), abs

downregulation

DU 145 [cell line]

epirubicin

estrogen receptor (ER) [protein and breast cancer marker], 6

Experion Automated Electrophoresis Station (Bio-Rad; Hercules, CA) [🗸 manufacturer]

false discovery rate (FDR), abs (not abbreviated), 7

fold change (FC), abs

follow-up – *noun*, *adjective*, follow up – *verb* [🗸MW]

galiellalactone

GeneChip 3' IVT Express Kit (Affymetrix; Santa Clara, CA) [🗸 manufacturer]

GeneChip Human Genome U133 Plus 2.0 Array (Affymetrix; Santa Clara, CA) [🗸 manufacturer]

genomic, genomic expression

hematoxylin–eosin (H&E, 5 – used only once, so **deleted**)

HER2/neu [protein], 5–6

IgG – no need to expand

immunohistochemistry (IHC, 5 – used infrequently, so **deleted**)

incomplete pathologic response (non-pCR), 3

interactome 🗸

International TILs Working Group 2014 [🗸 Pubmed] – now known as <https://www.tilsinbreastcancer.org/>

intravenous (IV, 5 – used infrequently, so **deleted**)

isopicrinine [🗸PubMed]

Kaplan–Meier survival curves [🗸 PubMed]

log-rank test – *also known as* Mantel–Cox test 🗸

luminal A; luminal B

Mantel–Cox – *see* log-rank test

MCF-7 cells [breast cancer cell line] [🗸PubMed]

MHC – no need to expand; MHC class II receptor

Miller–Payne grading system, the, 6 <https://breast-cancer-research.biomedcentral.com/articles/10.1186/s13058-014-0456-0>

Monterrey, Mexico

neo-adjuvant chemotherapy (NCT), abs

neo-adjuvant
overall survival (OS), abs

NF-κB [signal transduction pathway]

nonresponding [🗸AMA style for prefix “non-”]

organonitrogen compounds [🗸Google]

PAM50 [biomarker]

pathologic (i.e., related to tissue function and histology) – use this vs pathological (i.e., characterized by disease)

pathologic complete response (pCR), abs, 3

precision medicine

progesterone receptor (PR) [protein and breast cancer marker], 6

radiologic

*Rhazya stricta* [plant, source of isopicrinine]

RNAlater – styled by mfr as RNA*later* – **but style without italics** – <https://www.sigmaaldrich.com/US/en/product/sigma/r0901>

RNeasy Fibrous Tissue Mini Kit (Qiagen; Germantown, MA) [🗸 manufacturer]

robust microarray average (RMA), 6

School of Medicine of Tecnologico de Monterrey (CONBIOETICA 19 CEI 011-2016-10-17) authorized the research protocol with the number: P000088-Altru-Pro-CI-CR002

second-line – *adjective*, second line – *noun*

STAT3 [protein and cancer marker]

STRING (Search Tool for the Retrieval of Interacting Genes/Proteins) version 11.0 [🗸 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3013807/>]

triple negative, triple-negative

*t*-test

tumor-infiltrating lymphocyte (TIL), 6

underexpression [🗸 PubMed search]

Unpaired *t*-test with Welch’s correction

Venn diagram [🗸MW]

Wnt/β-catenin pathways **🗸** *per* **Wikipedia**

**List of genes**

*ABCA9* [gene] [🗸GeneCards]

*ABCB5* [gene] [🗸GeneCards]

*ADAMTS5* [gene] [🗸GeneCards]

ANKRD29 [gene] [🗸GeneCards]

ANKRD29 [gene] [🗸GeneCards]

*APOLD1* [gene] [🗸GeneCards]

*ARHGAP20* [gene] [🗸GeneCards]

*ASPA* [gene] [🗸GeneCards]

ATAD2 [gene] [🗸GeneCards]

*ATF3* [gene] [🗸GeneCards]

*AURKA* [gene] [🗸GeneCards]

*CCDC178* [gene] [🗸GeneCards]

*CCDC8* [gene] [🗸GeneCards]

*CCNB1* [gene] [🗸GeneCards]

*CD300LG* [gene] [🗸GeneCards]

*CDKN3* [gene] [🗸GeneCards]

*CLDN5* [gene] [🗸GeneCards]

*CNN1* [gene] [🗸GeneCards]

*COL6A6* [gene] [🗸GeneCards]

*CYR61* = *CCN1* [gene] [🗸GeneCards]

*DLGAP5* [gene] [🗸GeneCards]

*DST* [gene] [🗸GeneCards]

*DUSP1* [gene] [🗸GeneCards]

*EGR1* [gene] [🗸GeneCards]

*EGR2* [gene] [🗸GeneCards]

*FAM196B* = *INSYN2B* [gene] [🗸GeneCards]

*FHL1* [gene] [🗸GeneCards]

*FIGF* [gene] = *VEGFD* [🗸GeneCards]

*FOS* [gene] [🗸GeneCards]

*FOSB* [gene] [🗸GeneCards]

*GAS1RR* [gene] [🗸GeneCards]

*GPRASP1* [gene] [🗸GeneCards]

*GRAMD1A* [gene] [🗸GeneCards]

*HAS3* [gene] [🗸GeneCards]

*HIST1H2BD* (also known as *H2BC5*) [gene] [🗸GeneCards]

*HN1* (also known as *JPT1*) [gene] [🗸GeneCards]

*ITIH5* [gene] [🗸GeneCards]

*JUN* [gene] [🗸GeneCards]

*KIAA0101* [gene] [🗸GeneCards]

*LRFN5* [gene] [🗸GeneCards]

*LRRN4CL* [gene] [🗸GeneCards]

*MME* [gene] [🗸GeneCards]

*NAMPT* [gene] [🗸GeneCards]

*NUSAP1* [gene] 🗸

*OXTR* [gene] [🗸GeneCards]

*PGM5* [gene] [🗸GeneCards]

*PIR-FIGF* [gene readthrough] [🗸GeneCards]

*PMAIP1* [gene] [🗸GeneCards]

*PRRG3* [gene] [🗸GeneCards]

*PTGS2* [gene] [🗸GeneCards]

*RGS1* [gene] [🗸GeneCards]

*RRM2* [gene] [🗸GeneCards]

*SCN3A* [gene] [🗸GeneCards]

*SCN4B* [gene] [🗸GeneCards]

*SDPR* = *CAVIN2* [gene] [🗸GeneCards]

*SORD* [gene] [🗸GeneCards]

*TOP2A* [gene] [🗸GeneCards]

*TPD52* [gene] [🗸GeneCards]

*TUBB2B* [gene] [🗸GeneCards]

*UBE2C* [gene] [🗸GeneCards]

**List of Proteins**

Ki67 [nuclear protein]

progesterone receptor (PR) [protein], 6

STAT3 [protein]

estrogen receptor (ER) [protein], 6

**List of manufacturers and products**

*Gene assays*

150 Hs01006195\_m1 (*NUSAP1*) [🗸[Thermo Fisher](thermofisher.com/order/genome-database/details/gene-expression/Hs00207134_m1)]

202503\_s\_at (*KIAA0101*/*PCLAF*) [🗸 [Xavier Lab](http://xavierlab2.mgh.harvard.edu/EnrichmentProfiler/ProbeMapping/U133A/HTML/202503_s_at.html)]

219978\_s\_at (*NUSAP1*) [🗸 <http://biogps.org/#goto=genereport&id=51203>]

Hs.PT.5840681431 (*GRAMD1A*) [ **?** Thermo Fisher? unable to confirm per manufacturer website including search on both gene symbol (*GRAMD1A*) and on assay name Hs.PT.5840681431 and various substrings – or Google search]

Hs001553510\_m1 (*MME*) [🗸Thermo Fisher]

Hs00156137\_m1 (*DST*) [🗸Thermo Fisher]

Hs00207134\_m1 (*KIAA0101*) [🗸[Thermo Fisher](thermofisher.com/order/genome-database/details/gene-expression/Hs00207134_m1)]

*Other*

Applied Biosystems QuantStudio 3 Real-Time PCR System (Thermo Fisher) [🗸manufacturer] [thermofisher.com/order/catalog/product/A28567](https://www.thermofisher.com/order/catalog/product/A28567)

Experion Automated Electrophoresis Station (Bio-Rad; Hercules, CA) [🗸manufacturer]

GeneChip 3' IVT Express Kit (Affymetrix; Santa Clara, CA) [🗸manufacturer]

GeneChip Human Genome U133 Plus 2.0 Array (Affymetrix; Santa Clara, CA

kmplot – <https://kmplot.com/analysis/> – For a general citation of the KM-plotter, please use: Lanczky A, Gyorffy B: Web-Based Survival Analysis Tool Tailored for Medical Research (KMplot): Development and Implementation, J Med Internet Res, 2021 Jul 26;23(7):e27633. doi: 10.2196/27633.

RNeasy Fibrous Tissue Mini Kit (Qiagen; Germantown, MA) [🗸manufacturer]

STRING (Search Tool for the Retrieval of Interacting Genes/Proteins) version 11.0 [🗸 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3013807/>]