Homo sapiens chromosome Y, GRCh38.p14 Primary Assembly

NCBI Reference Sequence: NC_000024.10

FASTA Graphics

Go to:

LOCUS NC_000024 2815 bp DNA linear CON 20-MAR-2023
DEFINITION Homo sapiens chromosome Y, GRCh38.p14 Primary Assembly.
ACCESSION NC_000024 REGION: 9337464..9340278
VERSION NC_000024.10
DBLINK BioProject: PRJNA168
Assembly: GCF_000001405.40
KEYWORDS RefSeq.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; Haplorrhini; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 2815)
CONSRTM International Human Genome Sequencing Consortium
TITLE Finishing the euchromatic sequence of the human genome
JOURNAL Nature 431 (7011), 931-945 (2004)
PUBMED 15496913
REFERENCE 2 (bases 1 to 2815)
AUTHORS Skaletsky,H., Kuroda-Kawaguchi,T., Minx,P.J., Cordum,H.S., Hillier,L., Brown,L.G., Repping,S., Pyntikova,T., Ali,J., Bieri,T., Chinwalla,A., Delehaunty,A., Delehaunty,K., Du,H., Fewell,G., Fulton,L., Fulton,R., Graves,T., Hou,S.F., Latrielle,P., Leonard,S., Mardis,E., Maupin,R., McPherson,J., Miner,T., Nash,W., Nguyen,C., Ozersky,P., Pepin,K., Rock,S., Rohlfing,T., Scott,K., Schultz,B., Strong,C., Tin-Wollam,A., Yang,S.P., Waterston,R.H., Wilson,R.K., Rozen,S. and Page,D.C.
TITLE The male-specific region of the human Y chromosome is a mosaic of discrete sequence classes
JOURNAL Nature 423 (6942), 825-837 (2003)
PUBMED 12815422
REFERENCE 3 (bases 1 to 2815)
AUTHORS Lander,E.S., Linton,L.M., Birren,B., Nusbaum,C., Zody,M.C., Baldwin,J., Devon,K., Dewar,K., Doyle,M., FitzHugh,W., Funke,R., Gage,D., Harris,K., Heaford,A., Howland,J., Kann,L., Lehoczky,J., LeVine,R., McEwan,P., McKernan,K., Meldrim,J., Mesirov,J.P., Miranda,C., Morris,W., Naylor,J., Raymond,C., Rosetti,M., Santos,R., Sheridan,A., Sougnez,C., Stange-Thomann,N., Stojanovic,N., Subramanian,A., Wyman,D., Rogers,J., Sulston,J., Ainscough,R., Beck,S., Bentley,D., Burton,J., Clee,C., Carter,N., Coulson,A., Deadman,R., Deloukas,P., Dunham,A., Dunham,I.,

Durbin,R., French,L., Grafham,D., Gregory,S., Hubbard,T., Humphray,S., Hunt,A., Jones,M., Lloyd,C., McMurray,A., Matthews,L., Mercer,S., Milne,S., Mullikin,J.C., Mungall,A., Plumb,R., Ross,M., Shownkeen,R., Sims,S., Waterston,R.H., Wilson,R.K., Hillier,L.W., McPherson,J.D., Marra,M.A., Mardis,E.R., Fulton,L.A., Chinwalla,A.T., Pepin,K.H., Gish,W.R., Chissoe,S.L., Wendl,M.C., Delehaunty,K.D., Miner,T.L., Delehaunty,A., Kramer,J.B., Cook,L.L., Fulton,R.S., Johnson,D.L., Minx,P.J., Clifton,S.W., Hawkins,T., Branscomb,E., Predki,P., Richardson,P., Wenning,S., Slezak,T., Doggett,N., Cheng,J.F., Olsen,A., Lucas,S., Elkin,C., Uberbacher,E., Frazier,M., Gibbs,R.A., Muzny,D.M., Scherer,S.E., Bouck,J.B., Sodergren,E.J., Worley,K.C., Rives,C.M., Gorrell,J.H., Metzker,M.L., Naylor,S.L., Kucherlapati,R.S., Nelson,D.L., Weinstock,G.M., Sakaki,Y., Fujiyama,A., Hattori,M., Yada,T., Toyoda,A., Itoh,T., Kawagoe,C., Watanabe,H., Totoki,Y., Taylor,T., Weissenbach,J., Heilig,R., Saurin,W., Artiguenave,F., Brottier,P., Bruls,T., Pelletier,E., Robert,C., Wincker,P., Smith,D.R., Doucette-Stamm,L., Rubenfield,M., Weinstock,K., Lee,H.M., Dubois,J., Rosenthal,A., Platzer,M., Nyakatura,G., Taudien,S., Rump,A., Yang,H., Yu,J., Wang,J., Huang,G., Gu,J., Hood,L., Rowen,L., Madan,A., Qin,S., Davis,R.W., Federspiel,N.A., Abola,A.P., Proctor,M.J., Myers,R.M., Schmutz,J., Dickson,M., Grimwood,J., Cox,D.R., Olson,M.V., Kaul,R., Raymond,C., Shimizu,N., Kawasaki,K., Minoshima,S., Evans,G.A., Athanasiou,M., Schultz,R., Roe,B.A., Chen,F., Pan,H., Ramser,J., Lehrach,H., Reinhardt,R., McCombie,W.R., de la Bastide,M., Dedhia,N., Blocker,H., Hornischer,K., Nordsiek,G., Agarwala,R., Aravind,L., Bailey,J.A., Bateman,A., Batzoglou,S., Birney,E., Bork,P., Brown,D.G., Burge,C.B., Cerutti,L., Chen,H.C., Church,D., Clamp,M., Copley,R.R., Doerks,T., Eddy,S.R., Eichler,E.E., Furey,T.S., Galagan,J., Gilbert,J.G., Harmon,C., Hayashizaki,Y., Haussler,D., Hermjakob,H., Hokamp,K., Jang,W., Johnson,L.S., Jones,T.A., Kasif,S., Kaspryzk,A., Kennedy,S., Kent,W.J., Kitts,P., Koonin,E.V., Korf,I., Kulp,D., Lancet,D., Lowe,T.M., McLysaght,A., Mikkelsen,T., Moran,J.V., Mulder,N., Pollara,V.J., Ponting,C.P., Schuler,G., Schultz,J., Slater,G., Smit,A.F., Stupka,E., Szustakowski,J., Thierry-Mieg,D., Thierry-Mieg,J., Wagner,L., Wallis,J., Wheeler,R., Williams,A., Wolf,Y.I., Wolfe,K.H., Yang,S.P., Yeh,R.F., Collins,F., Guyer,M.S., Peterson,J., Felsenfeld,A., Wetterstrand,K.A., Patrinos,A., Morgan,M.J., de Jong,P., Catanese,J.J., Osoegawa,K., Shizuya,H., Choi,S. and Chen,Y.J.

CONSRTM International Human Genome Sequencing Consortium

TITLE Initial sequencing and analysis of the human genome

JOURNAL Nature 409 (6822), 860-921 (2001)
PUBMED 11237011
REMARK Erratum:[Nature 2001 Aug 2;412(6846):565]
COMMENT REFSEQ INFORMATION: The reference sequence is identical to CM000686.2.

On Feb 3, 2014 this sequence version replaced NC_000024.9.
Assembly Name: GRCh38.p14 Primary Assembly
The DNA sequence is composed of genomic sequence, primarily finished clones that were sequenced as part of the Human Genome Project. PCR products and WGS shotgun sequence have been added where necessary to fill gaps or correct errors. All such additions are manually curated by GRC staff. For more information see: https://genomereference.org.

##Genome-Annotation-Data-START##
Annotation Provider :: NCBI RefSeq
Annotation Status :: Updated annotation
Annotation Name :: GCF_000001405.40-RS_2023_03
Annotation Pipeline :: NCBI eukaryotic genome annotation pipeline
Annotation Software Version :: 10.1
Annotation Method :: Best-placed RefSeq; Gnomon; RefSeqFE; cmsearch; tRNAscan-SE
Features Annotated :: Gene; mRNA; CDS; ncRNA
Annotation Date :: 03/15/2023
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