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Dneasy blood and tissue kit protocol

Example GSM3101254 Request DataSets for GSM3101254 Status Public on May 01, 2019 Title 38GOV_93_4 Genomic Sample Type Channel 1 Source Name DLBCL Body Canis lupus familiaris Fabric Characteristics: Tumor Molecule Extracted Genomic DNA Extraction Protocol Genomic DNA was extracted from lymph nodes and skin punches using the DNeasy blood and tissue kit (QIAGEN, Valencia, CA, USA) according to the manufacturer's instructions. Label cyanine-5 Label Protocol Tumor and REFERENCE DNA samples were independently labeled with 5-deoxyuridine cyanine triphosphate (dUTP) and cyanine 3-dUTP, respectively, using the sureTag DNA labeling kit. Channel 2 Natural body source name Canis lupus familiaris Fabric characteristics: skin biopsy Molecule extracted from genomic DNA extraction protocol Genomic DNA was extracted from lymph nodes and skin punches using the DNeasy blood and tissue kit (QIAGEN, Valencia, CA, USA) as instructed by the manufacturer. Label cyanine-3 Label Protocol The tumor and reference DNA samples were independently labeled with 5-deoxyuridine cyanine triphosphate (dUTP) and cyanine 3-dUTP, respectively, using the sureTag DNA labeling kit. Hybridization Protocol Oligo aCGH analysis was carried out following the manufacturer's recommendations, using Oligo aCGH/ChIP-on-chip Hybridization Kit (Agilent Technologies) Scan Protocol Arrays were scanned at 3 m resolution using an Agilent G2565CA scanner, and the image data were processed using the feature extraction version 11.5 Biological Description replica 25 Genomic Workbench data processing version 7.0.4 fwas used for data analysis, the raw data was standardized using the centralizing algorithm with a threshold of eight. Submission date Apr 17, 2018 Last update date May 01, Contact name Serena Ferraresso E-mail(s) serena.ferraresso@unipd.it Phone +39 049 8272506 Organization name University of Padova Department Dept of Comparative Biomedicine and Food Science Street address Viale dell'Universita City Legnaro (PD) State/province Padova ZIP/Postal code 3502 (1) Country Italy Platform ID GPL24897 Series (1) GSE113258 Array comparative genomic hybridization of canine diffuses wide B-cell lymphoma (cDLBCL) Data table header descriptions ID_REF VALUE Normalized log2 ratio (Tumor/normal) Data table ID_REF VALUE A_62_P10109605 -0.7954297 A_62_P10109614 0.10900709 A_62_P10109632 0.3560523 A_62_P10109656 -0.28516093 A_62_P10109681 0.20796855 A_62_P10109703 0.36172372 A_62_P10109737 -1.557314 A_62_P10109758 -0.47064418 A_62_P10109778 0.078110754 A_62_P10109815 0.2512278 A_62_P10109827 0.41838485 A_62_P10109852 -0.088938765 0.015397184 A_62_P10109906 -0.027781785 A_62_P10109924 0.39793745 A_62_P10109957 -0.6894764 A_62_P10109975 -0.29836732 A_62_P10109994 0.18077381 A_62_P10110011 0.35826266 A_62_P10110038 0.01136822 Total number of lines: 98647Table truncated, table size 2524 Kbytes Supplementary file Size Download File type/resource GSM3101254_38GOV_93_4.bt.gz 18.5 Mb (ftp)(http) TXT Raw data provided as supplementary file Processed data included within Sample table For 100 x 50 µl multiplex PCR reactions: 2x Multiplex PCR Master Mix (3 x 0.85 ml), 5x Q-Solution (1 x 2 ml), RNase-Free Water (2 x 1.9 ml), 10x CoralLoad Dye (1 x 1.2 ml) For 1000 x 50 µl multiplex PCR reactions: 2x QIAGEN Multiplex PCR Master Mix (providing a final concentration of 3 mM MgCl2, 1 x 25 ml), 5x Q-Solution (1 x 10 ml), RNase-Free Water (1 x 20 ml) For 50 preps: QIAamp Spin Columns, QIAGEN Proteinase K, RNase A, Tissue Disruption Tubes, Buffers For 2000 x 25 µl reactions 25 ml 2x Rotor-Gene SYBR Green PCR Master Mix, 20 ml water without RNase For the purification of 50 PCR reactions: 50 spin columns QIAquick, Stamps, collectible tubes (2 ml) For the purification of 250 PCR reactions: 250 COLUMNS of SPIN QIAquick, tampons, collectible tubes (2 ml) For 4 x 96 total preparations and cytoplasmic RNA: 4 plates RNeasy 96, Microtubes Elution, CL Plugs, S-blocks, AirPore strip sheets, RNase-free reagents and tampons 50 RNeasy mini spin columns, collectible tubes (1.5 ml and 2 ml), disposable reagents and pads without RNase; for use with QIAcube HT and QIAxtractor For 12 x 96 total RNA preparations and cytoplasmics: 12 RNeasy 96 plates, Elution Microtubes CL, Caps, S-Blocks, AirPore Tape Sheets, RNase-Free Reagents and Buffers For the extraction or cleaning of the gel of 50 reactions: 50 columns of spin QIAquick, tampons, collectible tubes (2 ml) 10 ml (600 mAU/ml solution) Buffer set at one stage of the FastLane cell, 2x QuantiTect SYBR Green RT-PCR Master Mix, and QuantiTect RT Mix For 50 minipreps high purity plasmids: 50 columns of spin QIAprep 2.0, reagents, tampons, collectible tubes (2 ml) 2.0 5 ml (100 mg/ml; 7000 units/ml, solution) Unit definition: This amount of enzyme causing RNA hydrolysis at such a rate as k (constant speed) is equivalent to the unit (Kunitz units) at 25oC and pH 5.0. For the purification of 4 x 96 PCR reactions: 4 QIAquick 96 Plates, Tampons, Collectible MicroTubes (1.2 ml), Bouchons For 250 miniprps plasmids of high purity: 250 QIAprep 2.0 Spin columns, Reagents, Buffers, Collectible Tubes (2 ml) 250 RNeasy Mini Spin, Columns Collection Tubes (1.5 ml and 2 ml), Regents without RNase and Reagents Tampons to generate Hi-C NGS libraries for up to 6 sample samples

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