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{
  "id": "obj.1279",
  "name": "Viral [taxID:10239] screening of cell culture supernatants from Vero
cells[cellosaurus:CVCL_0059]",
  "title": "Viral Screening",
  "version": "1.0",
  "createdby": "krista.michelle.smith7@gmail.com",
  "created": "Feb 01, 2017 15:55:11",
  "modified": "Mar 02, 2017 12:24:56",
  "digital_signature": "z0d0ut7l66q4culk3fdy",
  "verification_status": "unreviewed",
  "publication_status": "draft",
  "usability_domain": [
    "Screening of cell culture supernatants from Vero
cells[cellosaurus:CVCL_0059] for viral[taxID:10239] contamination using a custom
viral database"
  ],
  "authors": [
    {
      "orcid": "0000-0002-5713-6633"
    }
  ],
  "description_domain": {
    "keywords": [
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    ],
    "xref": [
      "Cellosaurus:CVCL_0059",
      "taxID:10239"
    ],
    "pipeline_steps": [
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        "tool_desc": "Utility set that allows sequence manipulation",
        "tool_version": "1.3",
        "tool_package": "null",
        "step_number": "1",
        "input_uri_list": [
          "hive://nuc-read/111111",
          "hive://nuc-read/111112"
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        "output_uri_list": [
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          "hive://nuc-read/111114"
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        "tool_name": "HIVE_IDBA-UD",
        "tool_desc": "DeNovo assembler",
        "tool_version": "1.3",

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        "tool_package": "null",
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            "hive://nuc-read/111117"
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    },
    {
        "tool_name": "HIVE_hexagon",
        "tool_desc": "Alignment of reads to a set of references",
        "tool_version": "1.3",
        "tool_package": "null",
        "step_number": "3",
        "input_uri_list": [
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            "hive://nuc-read/111115",
            "hive://nuc-read/111116",
            "hive://nuc-read/111117"
        ],
        "output_uri_list": [
            "hive://data/111118/allCount-aligned.csv"
        ]
    },
    {
        "tool_name": "HIVE_heptagon",
        "tool_desc": "variant calling",
        "tool_version": "1.3",
        "tool_package": "null",
        "step_number": "4",
        "input_uri_list": [
            "hive://data/111118/allCount-aligned.csv"
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        "output_uri_list": [
            "hive://data/111118/SNPPProfile.csv"
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"execution_domain": {
    "script":
    "https:hive.biochemistry.gwu.edu/workflows/antiviral_resistance_detection_hive.sh",
    "pipeline_version": "2.0",
    "platform": "HIVE",
    "driver": "shell",
    "prerequisites": [
        "hiveSeq",

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        "HIVE_IDBA-UD",
        "HIVE_hexagon",
        "HIVE_heptagon"
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    "env_parameters": [
        "HIVEv1.3"
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"parametric_domain": {
    "IDBA-UD_maxk": "100",
    "IDBA-UD_blank_params": "0",
    "hexagon_acceptNNNQuaTrheshold": "1",
    "hexagon_minimum_match_len": "85",
    "hexagon_complexityEntropy": "1.2",
    "hexagon_maximumPercentLowQualityAllowed": "30",
    "hexagon_complexityWindow": "0",
    "IDBA-UD_pre_correction": "1",
    "hexagon_keepMarkovnikovMatches": "1",
    "hexagon_seed_for_alignment": "14",
    "hexagon_keepAllMatches": "3",
    "IDBA-UD_step": "20",
    "hexagon_complexityRefEntropy": "1.2",
    "hexagon_complexityRefWindow": "20",
    "hiveSeq_trimMaximum": "110",
    "hiveSeq_trimMinimum": "10"
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"io_domain": {
    "reference_uri_list": [
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    "input_uri_list": [
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        "hive://nuc-read/111112"
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    "output_uri_list": [
        "hive://data/111118/allCount-aligned.csv",
        "hive://data/111118/SNPPProfile.csv"
    ]
}
}

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