Resource Summary Report

Generated by RRID on Aug 15, 2026

MSIsensor-pro

RRID:SCR_024765
Type: Tool

Proper Citation

MSIsensor-pro (RRID:SCR_024765)

Resource Information

URL: https://github.com/xjtu-omics/msisensor-pro

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Description: Software tool for microsatellite instability detection using high throughput sequencing data. It accepts the whole genome sequencing, whole exome sequencing and target region sequencing data as input. Introduces multinomial distribution model to quantify polymerase slippages for each tumor sample and discriminative sites selection method to enable MSI detection without matched normal samples.

Resource Type: data processing software, software application, data analysis software, software resource, sequence analysis software

Defining Citation: PMID:32171661

Keywords: Microsatellite instability, microsatellite instability detection, high throughput sequencing data, whole genome sequencing data, whole exome sequencing data, target region sequencing data, MSI detection,

Availability: Free, Available for download, Freely available

Resource Name: MSIsensor-pro

Resource ID: SCR_024765

License URLs: https://github.com/xjtu-omics/msisensor-pro/blob/master/LICENSE

Record Creation Time: 20231208T050229+0000

Record Last Update: 20260815T042851+0000

Ratings and Alerts

No rating or validation information has been found for MSIsensor-pro.

No alerts have been found for MSIsensor-pro.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 4 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Laplante P, et al. (2025) Effect of MisMatch repair deficiency on metastasis occurrence in a syngeneic mouse model. Neoplasia (New York, N.Y.), 62, 101145.

Gusakova M, et al. (2025) High Tumor Mutation Burden (TMB) and a Novel Somatic Mutation in the TREX1 Gene in a Patient with Aggressive and Refractory High-Grade B-Cell Lymphoma: A Case Report. International journal of molecular sciences, 26(7).

Ishikawa R, et al. (2025) Immunohistochemical and molecular evolutionary features of jejunoileal adenocarcinoma unveiled through comparative analysis with colorectal adenocarcinoma. Neoplasia (New York, N.Y.), 66, 101180.

Carroll TM, et al. (2023) Tumor monocyte content predicts immunochemotherapy outcomes in esophageal adenocarcinoma. Cancer cell, 41(7), 1222.