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Autologous reference types can confound the detection of somatic mutation in solid cancers

Running head: somatic mutation and autologous references

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Competing Interests

Highlights

- 1. The present study has introduced the common cancers in which the detection of cancer-associated somatic mutations was significantly affected by the autologous reference types.
- 2. The autologous reference types affected the detection of cancer-associated somatic mutations not only in the intronic region but also in exonic region, especially in protein coding region.
- 3. In the same cancer patient, only a part of somatic mutations could be identified with distinct types of autologous reference.

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