**LEfSe**

**RRID:** SCR_014609  
**Type:** Tool

---

**Proper Citation**

LEfSe (RRID:SCR_014609)

---

**Resource Information**

**URL:** [http://huttenhower.sph.harvard.edu/galaxy](http://huttenhower.sph.harvard.edu/galaxy)

**Description:** An algorithm for high-dimensional biomarker discovery and explanation that identifies genes, pathways, or taxa characterizing the differences between two or more biological conditions. The algorithm identifies features that are statistically different among biological classes, then performs additional tests to assess whether these differences are consistent with respect to expected biological behavior. Statistical significance and biological relevance are emphasized.

**Resource Name:** LEfSe  
**Proper Citation:** LEfSe (RRID:SCR_014609)  
**Resource Type:** Resource, software resource, algorithm resource  
**Keywords:** microbiome, algorithm, biomarker, genomic feature, web application  
**Resource ID:** SCR_014609  
**References:** [DOI:10.1186/gb-2011-12-6-r60](https://doi.org/10.1186/gb-2011-12-6-r60)  
**Availability:** Free, Available as a web application  
**Website Status:** Last checked up  
**Mentions Count:** 1465

---

**Ratings and Alerts**
No rating or validation information has been found for LEfSe.

No alerts have been found for LEfSe.

---

**Data and Source Information**

**Source:** SciCrunch Registry

---

**Usage and Citation Metrics**

We found 1465 mentions in open access literature.

**Listed below are recent publications.** The full list is available at FDI Lab - SciCrunch Infrastructure.


Yang YSH, et al. (2020) Long-term Proton Pump Inhibitor Administration Caused Physiological and Microbiota Changes in Rats. Scientific reports, 10(1), 866.

Peng C, et al. (2020) Sex-specific association between the gut microbiome and high-fat diet-


Wang K, et al. (2020) Bifidobacterium longum R0175 Protects Rats against d-Galactosamine-Induced Acute Liver Failure. mSphere, 5(1).


Beasley JT, et al. (2020) Nicotianamine-chelated iron positively affects iron status, intestinal morphology and microbial populations in vivo (Gallus gallus). Scientific reports, 10(1), 2297.
