

**Appendix Table 1.** Characteristics of worldwide databases, some domestic databases, and the DODAI.  
(The numbers of references and samples were compiled from EarthChem until the end of 2017).

Appendix Table 1 Haraguchi et al

Database	Total References	Total Samples	Main Target	Website
GEOROC	17,662	416,122	Worldwide geochemical data	<a href="http://georoc.mpch-mainz.gwdg.de/georoc/">http://georoc.mpch-mainz.gwdg.de/georoc/</a>
PetDB	2,335	90,108	Seafloor igneous rocks	<a href="http://www.earthchem.org/petdb">http://www.earthchem.org/petdb</a>
SedDB	404	65,868	Seafloor sediments	<a href="http://www.earthchem.org/seddb">http://www.earthchem.org/seddb</a>
USGS	1	414,103	Geochemical data mainly in America	<a href="https://minerals.usgs.gov">https://minerals.usgs.gov</a>
NAVDAT	1,480	64,985	Igenous rocks in western North America	<a href="http://www.navdat.org">http://www.navdat.org</a>
MetPetDB	109	1,762	Metamorphic rock	<a href="http://metpetdb.com">http://metpetdb.com</a>
Earthchem			Compiled GEOROC, PatDB, SedDB, USGS, NAVDAT, and MetpetDB	<a href="http://www.earthchem.org/portal">http://www.earthchem.org/portal</a>
GANSEKI @DARWIN			Geochemical data compiled by JAMSTEC	<a href="http://www.godac.jamstec.go.jp/darwin/j">http://www.godac.jamstec.go.jp/darwin/j</a>
DODAI	224	5818	Basement rocks in the Japanese Islands published by domestic journals and bulletins	