Importing points into GPlates and assigning Plate IDs

Right click on layer in QGIS and save as ESRI Shape file (also works in ArcMap)



## Use default settings

• •	Save Vector Layer as			
Format	rmat ESRI Shapefile			
File name	/Users/kurtsundell/Documents/QGIS/Hf_Database_Feb2021.shp		•	
Layer name	name			
CRS	EPSG:4326 - WGS 84		-	
Encoding	y selected features	UTF-8	•	
<ul><li>Select fi</li><li>Geomet</li></ul>	ields to export and their ry	r export options		
Geometry	type	Automatic	-	
Force r	Force multi-type			
Include	Include z-dimension			
Exter	Extent (current: layer) Layer Options			
RESIZE	10		-	
SHPT				
Custom	Options			
He	q	✓ Add saved file to map Cancel	ОК	

Go to File  $\rightarrow$  Open Feature Collection, select shapefile



## Leave properties blank

Model property	File attribute	
Plate ID:	<none></none>	•
Feature Type:	<none></none>	•
Begin:	<none></none>	•
End:	<none></none>	•
Name:	<none></none>	•
Description:	<none></none>	
Feature ID:	<none></none>	
Conjugate Plate ID:	<none></none>	•
Reconstruction Method:	<none></none>	•
Half-stage left plate:	<none></none>	
Half-stage right plate:	<none></none>	
Spreading Asymmetry:	<none></none>	•
Geometry Import Time:	<none></none>	

# Go to Features $\rightarrow$ Assign Plate IDs



Select the partitioning layer (plate layer) and press next

	laure	Colo
1	Hf_Database_Feb2021 (Reconstructed Geometries)	
2	AAA (Reconstructed Geometries)	
3	shapes_static_polygons_Merdith_et_al (Reconstructed Geometries)	
4	shapes_cratons_Merdith_et_al (Reconstructed Geometries)	

## Select point layer and press next

		Ucio
1 1	1000_0_rotfile_Merdith_et_al.rot	
2 S	shapes_cratons_Merdith_et_al.gpml	
3 S	shapes_static_polygons_Merdith_et_al.shp	0
4 A	AAA.shp	
5 H	-If_Database_Feb2021.shp	

Use default settings for modern day configuration and press apply

•	C Assign Plate IDs			
	Reconstruction Time			
	Select the reconstruction time representing the geometry in the feature collection	3:		
	Present day Current reconstruction time: 0 Ma			
	○ Specify reconstruction time: 0.00 © Ma			
	Reconstruction Options			
	Only partition features that exist at the reconstruction time	•		
	Feature Partitioning			
	Specify how features should be partitioned:	•		
	Copy feature properties from the polygon that most overlaps a feature Partition (cookie cut) feature geometry into polygons and copy feature properties			
	Feature Properties			
	Specify the feature properties to copy from a polygon:	•		
	Only copy properties suitable for partitioned feature types			
	Reconstruction plate ID Conjugate	plate ID		
	Time of appearance	appearance		
	Previous Next	Cancel Apply		



## Kurt Sundell

March 9, 2021