SELECT row\_to\_json(t) FROM (SELECT

flat\_gabi\_table."GABI\_Acc\_Number",

flat\_gabi\_table.genus\_name\_valid,

flat\_gabi\_table.species\_name\_valid,

flat\_gabi\_table.subspecies\_name\_valid,

flat\_gabi\_table.dec\_lat,

flat\_gabi\_table.dec\_long,

flat\_gabi\_table.country,

flat\_gabi\_table.bentity\_name\_2,

flat\_gabi\_table.bentity\_name\_3

FROM
public.flat\_gabi\_table

LIMIT 20) as t

var recordsJSON = {

"records": [{

"GABI\_Acc\_Number": "GABI\_00862248",

"genus\_name\_valid": "Azteca",

"species\_name\_valid": "schumannii dubia",

"subspecies\_name\_valid": null,

"dec\_lat": 38.478518,

"dec\_long": -122.852768,

"country": "America",

"bentity\_name\_2": "Amazonas\_Brazil",

"bentity\_name\_3": "Amazonas\_Brazil"

}, {

"GABI\_Acc\_Number": "GABI\_00862249",

"genus\_name\_valid": "Azteca",

"species\_name\_valid": "angusticeps",

"subspecies\_name\_valid": null,

"dec\_lat": -14.232402,

"dec\_long": -48.930945,

"country": "Brazil",

"bentity\_name\_2": "Amazonas\_Brazil",

"bentity\_name\_3": "Amazonas\_Brazil"

}, {

"GABI\_Acc\_Number": "GABI\_00862250",

"genus\_name\_valid": "Azteca",

"species\_name\_valid": "trigona mathildae",

"subspecies\_name\_valid": null,

"dec\_lat": -7.900368,

"dec\_long": -76.642808,

"country": "Peru",

"bentity\_name\_2": "Amazonas\_Brazil",

"bentity\_name\_3": "Amazonas\_Brazil"

}]

};

console.log(recordsJSON.records[0]);

var existing\_genera = [];

for (var field = 0; field < recordsJSON.records.length; field++) {

//use \_.contains to make the genera unique

if (!\_.contains(existing\_genera, recordsJSON.records[field].genus\_name\_valid)) {

$('#genus-select').append(

$('<option></option>').val(recordsJSON.records[field].genus\_name\_valid).html(recordsJSON.records[field].genus\_name\_valid)

);

}

existing\_genera.push(recordsJSON.records[field].genus\_name\_valid);

}

//now we need to only get unique genera

$("#genus-select").change(function() {

$('#species-select').empty().append($('<option></option>').val('Select Species').html('Select Species'));

var matchVal = $("#genus-select option:selected").text();

recordsJSON.records.filter(function(record) {

if (record.genus\_name\_valid == matchVal) {

$("#species-select").append($('<option></option>').val(record.species\_name\_valid).html(record.species\_name\_valid));

}

});

});