MYSQL code for building database tables of the mibPOPdb

The Django models were used to build the database tables, their fields and various constraints.

```
```python
class Compounds(models.Model):
 classification = models.CharField(max length=100)
 category = models.CharField(max length=100)
 year = models.CharField(max length=100)
 compound = models.CharField(max length=100)
 synonyms = models.CharField(max length=1000)
 information = models.TextField(max length=65536)
 myreferences = models.TextField(max length=65536)
 references link = models.CharField(max length=2000)
 cas number = models.CharField(max length=100)
 ec number = models.CharField(max length=100)
 StockholmAnnexCode = models.CharField(max length=100)
 mvkey = models.CharField(max length=2000)
 molecular = models.CharField(max length=2000)
 weight = models.CharField(max_length=50)
 Solubility = models.CharField(max length=2000)
 smile = models.CharField(max length=2000)
 similarity = models.CharField(max length=2000)
 products = models.CharField(max length=2000)
 products links = models.TextField(max length=2000)
 cas numbers related = models.CharField(max length=2000)
 weights related = models.CharField(max length=2000)
 formula related = models.CharField(max length=2000)
 dsstox related = models.CharField(max length=2000)
 persistence = models.CharField(max length=2000)
 specific exemptions = models.CharField(max length=2000)
 acceptable purposes = models.CharField(max length=2000)
 conventions = models.CharField(max length=2000)
 conventions link = models.CharField(max length=2000)
 ECHA = models.CharField(max length=2000)
 ECHA link = models.CharField(max length=2000)
 PubChem = models.CharField(max length=200)
 PubChem link = models.CharField(max length=200)
 ddstox = models.CharField(max length=200)
 ddstox link = models.CharField(max length=2000)
 KEGG = models.CharField(max length=200)
 KEGG link = models.CharField(max length=2000)
 chemspider = models.CharField(max length=200)
 chemspider link = models.CharField(max length=2000)
class Bacteria(models.Model):
 compound = models.CharField(max length=200)
 organism = models.CharField(max length=200)
 accession number = models.CharField(max length=200)
 my 16S number link = models.CharField(max length=2000)
 microorganism = models.CharField(max length=200)
 fasta link = models.CharField(max length=2000)
 metabolized = models.CharField(max length=200)
 biodegradation rate = models.CharField(max length=200)
 primary intermediate = models.CharField(max length=200)
 final reduced form = models.CharField(max length=200)
 enzyme activity detected = models.CharField(max length=200)
 degradation technique = models.CharField(max length=200)
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respiration = models.CharField(max length=200)
 respiring condition = models.CharField(max length=200)
 carbon source = models.CharField(max length=200)
 continent = models.CharField(max length=200)
 country = models.CharField(max length=200)
 isolation source = models.CharField(max length=200)
 habitat notes = models.CharField(max length=2000)
 title = models.TextField(max length=20000)
 pmid = models.CharField(max_length=200)
 myreference = models.CharField(max length=2000)
 link = models.CharField(max length=2000)
class Archaea(models.Model):
 compound = models.CharField(max length=200)
 organism = models.CharField(max length=200)
 accession number = models.CharField(max length=200)
 my 16S number link = models.CharField(max length=2000)
 microorganism = models.CharField(max length=200)
 fasta link = models.CharField(max length=2000)
 metabolized = models.CharField(max length=2000)
 biodegradation rate = models.CharField(max length=200)
 primary intermediate = models.CharField(max length=200)
 final reduced form = models.CharField(max length=200)
 enzyme activity detected = models.CharField(max length=200)
 degradation technique = models.CharField(max length=200)
 respiration = models.CharField(max length=200)
 respiring condition = models.CharField(max length=200)
 carbon source = models.CharField(max length=200)
 continent = models.CharField(max length=200)
 country = models.CharField(max_length=200)
 isolation source = models.CharField(max length=200)
 habitat notes = models.CharField(max length=2000)
 title = models.TextField(max length=20000)
 pmid = models.CharField(max length=200)
 myreference = models.CharField(max length=2000)
 link = models.CharField(max length=2000)
class Fungi(models.Model):
 compound = models.CharField(max length=200)
 organism = models.CharField(max length=200)
 accession number = models.CharField(max length=200)
 my 16S number link = models.CharField(max length=2000)
 microorganism = models.CharField(max length=200)
 fasta link = models.CharField(max length=2000)
 metabolized = models.CharField(max length=2000)
 biodegradation rate = models.CharField(max length=200)
 primary intermediate = models.CharField(max length=200)
 final reduced form = models.CharField(max length=200)
 enzyme activity detected = models.CharField(max length=200)
 degradation technique = models.CharField(max length=200)
 respiration = models.CharField(max length=200)
 respiring condition = models.CharField(max length=200)
 carbon source = models.CharField(max length=200)
 continent = models.CharField(max length=200)
 country = models.CharField(max length=200)
 isolation source = models.CharField(max length=200)
 habitat notes = models.CharField(max length=2000)
 title = models.TextField(max length=20000)
 pmid = models.CharField(max length=200)
 myreference = models.CharField(max_length=2000)
 link = models.CharField(max length=2000)
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class Algae(models.Model):
 compound = models.CharField(max length=200)
 aphial id = models.CharField(max length=200)
 link = models.CharField(max length=200)
 organism = models.CharField(max length=200)
 accession number = models.CharField(max length=200)
 my 16S number link = models.CharField(max length=2000)
 microorganism = models.CharField(max length=200)
 fasta link = models.CharField(max length=2000)
 metabolized = models.CharField(max length=200)
 primary intermediate = models.CharField(max length=200)
 final reduced form = models.CharField(max length=200)
 enzyme_activity_detected = models.CharField(max length=200)
 type of bioremediation = models.CharField(max length=200)
 tissues = models.CharField(max length=200)
 continent = models.CharField(max length=200)
 country = models.CharField(max length=200)
 isolation source = models.CharField(max length=200)
 habitat notes = models.CharField(max length=2000)
 title = models.TextField(max length=20000)
 pmid = models.CharField(max length=200)
 myreference = models.CharField(max length=2000)
 research link = models.CharField(max length=2000)
class Gene(models.Model):
 compound = models.CharField(max length=200)
 substrate = models.CharField(max length=200)
 pathway map = models.CharField(max length=200)
 enzyme = models.CharField(max length=200)
 encoding gene = models.CharField(max length=200)
 myfunction = models.CharField(max length=500)
 ec number = models.CharField(max length=500)
 ec link = models.CharField(max length=500)
 kegg orthology = models.CharField(max length=500)
 kegg link = models.CharField(max length=500)
 organism = models.CharField(max length=500)
 gene bank id = models.CharField(max length=200)
 nucleotide link = models.CharField(max length=200)
 microorganism = models.CharField(max length=200)
 gene fasta = models.CharField(max length=200)
 uniProt id = models.CharField(max length=200)
 uniProt link = models.CharField(max length=200)
 protein id = models.CharField(max length=200)
 protein link = models.CharField(max length=200)
 pro fasta = models.CharField(max length=200)
 continent = models.CharField(max length=200)
 country = models.CharField(max length=200)
 isolation source = models.CharField(max length=200)
 habitat notes = models.CharField(max length=200)
 title = models.CharField(max length=200)
 pmid = models.CharField(max length=200)
 myreference = models.CharField(max_length=200)
 research link = models.CharField(max_length=200)
class Intermediate(models.Model):
 specifics of degradation = models.CharField(max length=1000,
default="N/A")
 pop degraded = models.CharField(max length=1000, default="N/A")
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pop degradation pathway = models.CharField(max length=1000,
default="N/A")
 intermediate Name = models.CharField(max length=1000)
 cas number = models.CharField(max length=1000, default="N/A")
 molecular formula = models.CharField(max length=1000,
default="N/A")
 molecular weight = models.CharField(max length=1000,
default="N/A")
 smiles = models.CharField(max length=1000, default="N/A")
 structure = models.CharField(max length=1000, default="N/A")
 pubChem cid = models.CharField(max length=1000, default="N/A")
 pubChem cid link = models.CharField(max length=1000,
default="N/A")
 kegg id = models.CharField(max length=1000, default="N/A")
 kegg id link = models.CharField(max length=1000, default="N/A")
 Chemspider id = models.CharField(max length=1000, default="N/A")
 Chemspider id link = models.CharField(max length=1000,
default="N/A")
class Pathway literature(models.Model):
 pathway name = models.CharField(max length=200)
 compound degraded = models.CharField(max length=200)
 mydescription = models.TextField(max length=20000)
 titles = models.TextField(max length=20000)
 links = models.TextField(max length=20000)
 authors = models.TextField(max length=20000)
 abstracts = models.TextField(max length=65536)
class Enzyme(models.Model):
 enzyme name = models.CharField(max length=200)
 ec number = models.CharField(max length=200)
 enzyme class = models.CharField(max length=200)
 encoding gene = models.CharField(max length=200)
 mydescription = models.TextField(max length=20000)
 synonyms = models.CharField(max length=2000)
 degradation pathway = models.CharField(max length=200)
 reaction catalyzed = models.CharField(max length=200)
 brend = models.CharField(max length=200)
 brend link = models.CharField(max length=200)
 kegg orthology id = models.CharField(max length=200)
 kegg orthology link = models.CharField(max length=200)
 expasy = models.CharField(max length=200)
 expasy link = models.CharField(max length=200)
 enzyme database = models.CharField(max length=200)
 enzyme link = models.CharField(max length=200)
 organism = models.CharField(max length=200)
 mystatus = models.CharField(max length=200)
 gene cluster = models.CharField(max length=200)
 subunit = models.CharField(max length=200)
 protein name = models.CharField(max length=200)
 genbank id = models.CharField(max length=200)
 genbank link = models.CharField(max length=200)
 protein id = models.CharField(max length=200)
 protein link = models.CharField(max length=200)
 uniProtKB id = models.CharField(max length=200)
 uniProtKB link = models.CharField(max length=200)
 authors = models.CharField(max length=200)
 titles = models.TextField(max length=20000)
 pmid = models.CharField(max length=200)
 pmid link = models.CharField(max length=200)
 research Link = models.CharField(max length=200)
```