Projection analyses

Gene projection

Allgemein

- **12 Gene**
- **Gene “8648 “ connected with 10 from 12 GenesGro**
- **-> not connected to 4321**
- **-> Gene 5618 als Vollständige Schnittmenge**

Gene Grouping

1. **898(Placenta,19C,11P,27A,** ,Moluecular_fun=4,Biologisch Prozess:14,cellular component=9**)**

- 26227 =Prostate,1C,36P,25A,Moluecular_fun=10,Biologisch Prozess:9,cellular component:6)
- 8648=(brain cerebellum,2C,21P,47A,Moluecular_fun=16,Biologische Prozess=21,cellular component=10)
- 2886=Placenta,17C,13P,17A,molecular_fun=5,Biologische Prozess=6,cellular component=6)
- 1789= brain,20C,36P,25A,molecular function:10,biological process:9,cellular component=6)
- ->zwei mal ähnlicher Ort
- ->

2. **1789(**brain,20C,36P,25A, molecular function:10,biological process:9,cellular component=6)

- 26227= Prostate,1C,36P,25A, Moluecular_fun=10,Biologisch Prozess:9,cellular component:6)
- 8648=(brain cerebellum,2C,21P,47A, Moluecular_fun=16,Biologische Prozess=21,cellular component=10)
- 7170=(skeletal muscle,16C,34P,14A,molecular_fun=3,Biological Prozess=2,cellular component=9)
- 4319=(Uterus/trachea,11C,3P,12A,molecular function=4,biological process5,cellular component=3)
- 2886= Placenta,17C,13P,17A, ,molecular_fun=5,Biologische Prozess=6,cellular component=6)

- 2690=(Liver,5C,22P,60F,molecular_fun=13,biological_process=26,cellular component=19)
- 898=(Placenta,19C,11P,27A, **,** ,Moluecular_fun=4,Biologisch Prozess:14,cellular component=9**)**
- -> random meist nur 1 gleicher ort

3. **2180(Liver/kidney,4C,30P,42A,molecular_fun=9,biological_process=20,cellular component=11)**

- 8648 =(brain cerebellum,2C,21P,47A, Moluecular_fun=16,Biologische Prozess=21,cellular component=10)
- 7170 =(skeletal muscle,16C,34P,14A, molecular_fun=3,Biological Prozess=2,cellular component=9)
- 5618=Placenta,5C,31P,38A,molecular_fun=12,biological_process=20,cellular component=7)
- 4321(Uterus/trachea,11C,3P,12A,molecular_fun=11,biological_process=21,cellular_component=5)
- ->random

4. **2690(**=Liver,5C,22P,60F,molecular_fun=13,biological_process=26,cellular component=19)

- 26227(=Prostate,1C,36P,25A, Moluecular_fun=10,Biologisch Prozess:9,cellular component:6)
- 10125(thymus/brain,cerebellum,15C,21P,51A, molecular_function=9,biological_process=35,cellular_component=9)
- 8648(brain cerebellum,2C,21P,47A, Moluecular_fun=16,Biologische Prozess=21,cellular component=10)
- 5618(Placenta,5C,31P,38A, molecular_fun=12,biological_process=20,cellular component=7)
- 2886(Placenta,17C,13P,17A, ,molecular_fun=5,Biologische Prozess=6,cellular component=6)
- 1789(brain,20C,36P,25A,molecular_function=10,biological_process=9,cellular component=6)
- -> 2 ähnliche Orte

5. **2886(**Placenta,17C,13P,17A, ,molecular_fun=5,Biologische Prozess=6,cellular component=6)

- 26227(=Prostate,1C,36P,25A, Moluecular_fun=10,Biologisch Prozess:9,cellular component:6)

- 8648(brain cerebellum,2C,21P,47A, Moluecular_fun=16,Biologische Prozess=21,cellular component=10)
- 7170(skeletal muscle,16C,34P,14A, molecular_fun=3,Biological Prozess=2,cellular component=9)
- 4319(Uterus/trachea,11C,3P,12A, ,molecular function=4,biological process5,cellular component=3)
- 2690(Liver,5C,22P,60F, molecular_fun=13,biological_process=26,cellular component=19)
- 1789(brain,20C,36P,25A, molecular function:10,biological process:9,cellular component=6)
- 898(**Placenta,19C,11P,27A, ,** ,Moluecular_fun=4,Biologisch Prozess:14,cellular component=9**)**
- **->random**

6. **4319(**Uterus/trachea,11C,3P,12A, ,molecular function=4,biological process5,cellular component=3)

- 10125((thymus/brain,cerebellum,15C,21P,51A, molecular_function=9,biological_process=35,cellular_component=9)
- 8648(brain cerebellum,2C,21P,47A, Moluecular_fun=16,Biologische Prozess=21,cellular component=10)
- 7170(skeletal muscle,16C,34P,14A, molecular_fun=3,Biological Prozess=2,cellular component=9)
- 4321(Uterus/trachea,11C,3P,12A, molecular_fun=11,biological_process=21,cellular_component=5)
- 2886(Placenta,17C,13P,17A, ,molecular_fun=5,Biologische Prozess=6,cellular component=6)
- 1789(brain,20C,36P,25A, molecular function:10,biological process:9,cellular component=6)
- ->ähnliche Orte, ähnliche wenig Proteine

7. **4321(**Uterus/trachea,11C,3P,37A, molecular_fun=11,biological_process=21,cellular_component=5)

- 10125((thymus/brain,cerebellum,15C,21P,51A,molecular_function=9,biological_process=35,cellular_component=9)
- 7170(skeletal muscle,16C,34P,14A, molecular_fun=3,Biological Prozess=2,cellular component=9)
- 5618(Placenta,5C,31P,38A, molecular_fun=12,biological_process=20,cellular component=7)
- 4319(Uterus/trachea,11C,3P,12A, ,molecular function=4,biological process5,cellular component=3)
- 2180(**Liver/kidney,4C,30P,42A,molecular=9 ,biological_process=20,cellular component=11)**
- **-> 1 mal ähnlicher Ort im 30er bereich Proteine**

8. **5618(**Placenta,5C,31P,38A, molecular_fun=12,biological_process=20,cellular component=7)

- 10125((thymus/brain,cerebellum,15C,21P,51A, molecular_function=9,biological_process=35,cellular_component=9)
- 8648(brain cerebellum,2C,21P,47A, Moluecular_fun=16,Biologische Prozess=21,cellular component=10)
- 7170(skeletal muscle,16C,34P,14A, molecular_fun=3,Biological Prozess=2,cellular component=9)
- 4321(Uterus/trachea,11C,3P,12A,molecular_fun=11,biological_process=21,cellular_component=5)
- 2690(Liver,5C,22P,60F, molecular_fun=13,biological_process=26,cellular component=19)
- 2180(**Liver/kidney,4C,30P,42A, molecular=9 ,biological_process=20,cellular component=11)**

- **->ähnliche Orte, ähnliche anzahl Proteine**

9. **7170(**skeletal muscle,16C,34P,14A), molecular_fun=3,Biological Prozess=2,cellular component=9)

- 8648(brain cerebellum,2C,21P,47A, Moluecular_fun=16,Biologische Prozess=21,cellular component=10)
- 5618(Placenta,5C,31P,38A, molecular_fun=12,biological_process=20,cellular component=7)
- 4321(Uterus/trachea,11C,3P,12A, molecular_fun=11,biological_process=21,cellular_component=5)
- 4319(Uterus/trachea,11C,3P,12A, ,molecular function=4,biological process5,cellular component=3)
- 2886(Placenta,17C,13P,17A, ,molecular_fun=5,Biologische Prozess=6,cellular component=6)
- 2180(**Liver/kidney,4C,30P,42A,molecular=9 ,biological_process=20,cellular component=11)**
- 1789(brain,20C,36P,25A, molecular function:10,biological process:9,cellular component=6)
- ->zum teil ähnliche Orte,ähnliche Proteine)

10 .8648(brain cerebellum,2C,21P,47A), Moluecular_fun=16,Biologische Prozess=21,cellular component=10)

- 26227(=Prostate,1C,36P,25A, Moluecular_fun=10,Biologisch Prozess:9,cellular component:6)
- 10125((thymus/brain,cerebellum,15C,21P,51A, molecular_function=9,biological_process=35,cellular_component=9)
- 7170(skeletal muscle,16C,34P,14A, molecular_fun=3,Biological Prozess=2,cellular component=9)

- 5618(Placenta,5C,31P,38A, molecular_fun=12,biological_process=20,cellular component=7)
- 4319(Uterus/trachea,11C,3P,12A, ,molecular function=4,biological process5,cellular component=3)
- 2886(Placenta,17C,13P,17A, ,molecular_fun=5,Biologische Prozess=6,cellular component=6)
- 2690(Liver,5C,22P,60F, molecular_fun=13,biological_process=26,cellular component=19)
- 2180(**Liver/kidney,4C,30P,42A, molecular=9,biological_process=20,cellular component=11)**
- 1789(brain,20C,36P,25A, molecular function:10,biological process:9,cellular component=6)
- 898(**Placenta,19C,11P,27A, ,** ,Moluecular_fun=4,Biologisch Prozess:14,cellular component=9**)**
- **->zum teil ähnliche Orte,protein ok,**

11. 10125((thymus/brain,cerebellum,15C,21P,51A, molecular_function=9,biological_process=35,cellular_component=9)

- 8648(brain cerebellum,2C,21P,47A, Moluecular_fun=16,Biologische Prozess=21,cellular component=10)
- 5618(Placenta,5C,31P,38A, molecular_fun=12,biological_process=20,cellular component=7)
- 4321(Uterus/trachea,11C,3P,12A, molecular_fun=11,biological_process=21,cellular_component=5)
- 4319(Uterus/trachea,11C,3P,12A, ,molecular function=4,biological process5,cellular component=3)
- 2690(Liver,5C,22P,60F, molecular_fun=13,biological_process=26,cellular component=19)
- ->zum teil ähnliche Orte,ähnliche Proteine anzahl)

12. 26227(=Prostate,1C,36P,25A, Moluecular_fun=10,Biologisch Prozess:9,cellular component:6)

- 8648(brain cerebellum,2C,21P,47A, Moluecular_fun=16,Biologische Prozess=21,cellular component=10)
- 2886(Placenta,17C,13P,17A, ,molecular_fun=5,Biologische Prozess=6,cellular component=6)
- 2690(Liver,5C,22P,60F, molecular_fun=13,biological_process=26,cellular component=19)
- 1789(brain,20C,36P,25A, molecular function:10,biological process:9,cellular component=6)
- 898(**Placenta,19C,11P,27A,** Moluecular_fun=4,Biologisch Prozess:14,cellular component=9**)**
- **-> zum teil ähnliche Orte,ähnlich Proteine**