```
model=modelOri;
model = changeRxnBounds(model,'EX_glc(e)',0,'l');
model = changeRxnBounds(model,'EX_succ(e)',-20,'l');
checkObjective(model);
FBAsolution = optimizeCbModel(model,'max');
FBAsolution.f
model = changeRxnBounds(model,'EX_o2(e)',0,'l');
FBAsolution = optimizeCbModel(model,'max');
FBAsolution.f
```

```
Warning: checkObjective will be depreciated because the function name is a
misnomer, please use printObjective instead

summaryT =

  23×5 table

    Coefficient    Metabolite    metID                Reaction                RxnID
    ___________    __________    _____    ____________________________________    _____

       -1.496       3pg[c]         3      Biomass_Ecoli_core_N(w/GAM)-Nmet2     13
      -3.7478       accoa[c]      10      Biomass_Ecoli_core_N(w/GAM)-Nmet2     13
        59.81       adp[c]        13      Biomass_Ecoli_core_N(w/GAM)-Nmet2     13
       4.1182       akg[c]        14      Biomass_Ecoli_core_N(w/GAM)-Nmet2     13
       -59.81       atp[c]        17      Biomass_Ecoli_core_N(w/GAM)-Nmet2     13
       3.7478       coa[c]        21      Biomass_Ecoli_core_N(w/GAM)-Nmet2     13
       -0.361       e4p[c]        23      Biomass_Ecoli_core_N(w/GAM)-Nmet2     13
      -0.0709       f6p[c]        26      Biomass_Ecoli_core_N(w/GAM)-Nmet2     13
       -0.129       g3p[c]        33      Biomass_Ecoli_core_N(w/GAM)-Nmet2     13
       -0.205       g6p[c]        34      Biomass_Ecoli_core_N(w/GAM)-Nmet2     13
      -0.2557       gln-L[c]      36      Biomass_Ecoli_core_N(w/GAM)-Nmet2     13
      -4.9414       glu-L[c]      38      Biomass_Ecoli_core_N(w/GAM)-Nmet2     13
       -59.81       h2o[c]        41      Biomass_Ecoli_core_N(w/GAM)-Nmet2     13
        59.81       h[c]          43      Biomass_Ecoli_core_N(w/GAM)-Nmet2     13
       -3.547       nad[c]        50      Biomass_Ecoli_core_N(w/GAM)-Nmet2     13
        3.547       nadh[c]       51      Biomass_Ecoli_core_N(w/GAM)-Nmet2     13
       13.028       nadp[c]       52      Biomass_Ecoli_core_N(w/GAM)-Nmet2     13
      -13.028       nadph[c]      53      Biomass_Ecoli_core_N(w/GAM)-Nmet2     13
      -1.7867       oaa[c]        58      Biomass_Ecoli_core_N(w/GAM)-Nmet2     13
      -0.5191       pep[c]        59      Biomass_Ecoli_core_N(w/GAM)-Nmet2     13
        59.81       pi[c]         60      Biomass_Ecoli_core_N(w/GAM)-Nmet2     13
      -2.8328       pyr[c]        62      Biomass_Ecoli_core_N(w/GAM)-Nmet2     13
      -0.8977       r5p[c]        66      Biomass_Ecoli_core_N(w/GAM)-Nmet2     13


ans =

    0.8401


ans =

   NaN
```

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