```
model {
    for (i in 1:ns) {
        # Likelihood for each arm
        for (k in 1:na[i]) {
            m[i, k] ~ dnorm(theta[i, k], prec[i, k])
            theta[i, k] <- mu[i] + delta[i, k]
            prec[i, k] <- pow(e[i, k], -2)
        }

        # Study-level relative effects
        # The arms are given in the order (arm_1, arm_2, ..., arm_{n_a-1}, arm_{n_a}).
        # The relative effects are parameterized as d[arm_1, arm_k].
        w[i, 1] <- 0
        delta[i, 1] <- 0
        for (k in 2:na[i]) { # parameterize multi-arm trials using a trick to avoid dmnorm
            delta[i, k] ~ dnorm(md[i, k], taud[i, k])
            md[i, k] <- d[t[i, 1], t[i, k]] + sw[i, k]
            taud[i, k] <- tau.d * 2 * (k - 1) / k
            w[i, k] <- delta[i, k] - d[t[i, 1], t[i, k]]
            sw[i, k] <- sum(w[i, 1:k-1]) / (k - 1)
        }
    }

    # Relative effect matrix
    d[1,1] <- 0
    d[1,2] <- d.EX10BID.EX2QW
    d[1,3] <- d.EX10BID.Exe5ug
    d[1,4] <- d.EX10BID.Insulin
    d[1,5] <- d.EX10BID.SU + d.SU.LIR06
    d[1,6] <- d.EX10BID.SU + d.SU.LIR09
    d[1,7] <- d.EX10BID.SU + d.SU.LIR12
    d[1,8] <- d.EX10BID.LIR18
    d[1,9] <- d.EX10BID.Met
    d[1,10] <- d.EX10BID.SU
    d[1,11] <- d.EX10BID.Sitagliptin
    d[1,12] <- d.EX10BID.TZD
    d[1,13] <- d.EX10BID.placebo
    d[2,1] <- -d.EX10BID.EX2QW
    d[2,2] <- 0
    d[2,3] <- -d.EX10BID.EX2QW + d.EX10BID.Exe5ug
    d[2,4] <- -d.EX10BID.EX2QW + d.EX10BID.Insulin
    d[2,5] <- -d.EX10BID.EX2QW + d.EX10BID.SU + d.SU.LIR06
    d[2,6] <- -d.EX10BID.EX2QW + d.EX10BID.SU + d.SU.LIR09
    d[2,7] <- -d.EX10BID.EX2QW + d.EX10BID.SU + d.SU.LIR12
```

```
d[2,8] <- -d.EX10BID.EX2QW + d.EX10BID.LIR18
d[2,9] <- -d.EX10BID.EX2QW + d.EX10BID.Met
d[2,10] <- -d.EX10BID.EX2QW + d.EX10BID.SU
d[2,11] <- -d.EX10BID.EX2QW + d.EX10BID.Sitagliptin
d[2,12] <- -d.EX10BID.EX2QW + d.EX10BID.TZD
d[2,13] <- -d.EX10BID.EX2QW + d.EX10BID.placebo
d[3,1] <- -d.EX10BID.Exe5ug
d[3,2] <- d.EX10BID.EX2QW + -d.EX10BID.Exe5ug
d[3,3] <- 0
d[3,4] <- -d.EX10BID.Exe5ug + d.EX10BID.Insulin
d[3,5] <- -d.EX10BID.Exe5ug + d.EX10BID.SU + d.SU.LIR06
d[3,6] <- -d.EX10BID.Exe5ug + d.EX10BID.SU + d.SU.LIR09
d[3,7] <- -d.EX10BID.Exe5ug + d.EX10BID.SU + d.SU.LIR12
d[3,8] <- -d.EX10BID.Exe5ug + d.EX10BID.LIR18
d[3,9] <- -d.EX10BID.Exe5ug + d.EX10BID.Met
d[3,10] <- -d.EX10BID.Exe5ug + d.EX10BID.SU
d[3,11] <- -d.EX10BID.Exe5ug + d.EX10BID.Sitagliptin
d[3,12] <- -d.EX10BID.Exe5ug + d.EX10BID.TZD
d[3,13] <- -d.EX10BID.Exe5ug + d.EX10BID.placebo
d[4,1] <- -d.EX10BID.Insulin
d[4,2] <- d.EX10BID.EX2QW + -d.EX10BID.Insulin
d[4,3] <- d.EX10BID.Exe5ug + -d.EX10BID.Insulin
d[4,4] <- 0
d[4,5] <- -d.EX10BID.Insulin + d.EX10BID.SU + d.SU.LIR06
d[4,6] <- -d.EX10BID.Insulin + d.EX10BID.SU + d.SU.LIR09
d[4,7] <- -d.EX10BID.Insulin + d.EX10BID.SU + d.SU.LIR12
d[4,8] <- -d.EX10BID.Insulin + d.EX10BID.LIR18
d[4,9] <- -d.EX10BID.Insulin + d.EX10BID.Met
d[4,10] <- -d.EX10BID.Insulin + d.EX10BID.SU
d[4,11] <- -d.EX10BID.Insulin + d.EX10BID.Sitagliptin
d[4,12] <- -d.EX10BID.Insulin + d.EX10BID.TZD
d[4,13] <- -d.EX10BID.Insulin + d.EX10BID.placebo
d[5,1] <- -d.EX10BID.SU + -d.SU.LIR06
d[5,2] <- d.EX10BID.EX2QW + -d.EX10BID.SU + -d.SU.LIR06
d[5,3] <- d.EX10BID.Exe5ug + -d.EX10BID.SU + -d.SU.LIR06
d[5,4] <- d.EX10BID.Insulin + -d.EX10BID.SU + -d.SU.LIR06
d[5,5] <- 0
d[5,6] <- -d.SU.LIR06 + d.SU.LIR09
d[5,7] <- -d.SU.LIR06 + d.SU.LIR12
d[5,8] <- d.EX10BID.LIR18 + -d.EX10BID.SU + -d.SU.LIR06
d[5,9] <- d.EX10BID.Met + -d.EX10BID.SU + -d.SU.LIR06
d[5,10] <- -d.SU.LIR06
d[5,11] <- -d.EX10BID.SU + d.EX10BID.Sitagliptin + -d.SU.LIR06
d[5,12] <- -d.EX10BID.SU + d.EX10BID.TZD + -d.SU.LIR06
```

```
d[5,13] <- -d.EX10BID.SU + d.EX10BID.placebo + -d.SU.LIR06
d[6,1] <- -d.EX10BID.SU + -d.SU.LIR09
d[6,2] <- d.EX10BID.EX2QW + -d.EX10BID.SU + -d.SU.LIR09
d[6,3] <- d.EX10BID.Exe5ug + -d.EX10BID.SU + -d.SU.LIR09
d[6,4] <- d.EX10BID.Insulin + -d.EX10BID.SU + -d.SU.LIR09
d[6,5] <- d.SU.LIR06 + -d.SU.LIR09
d[6,6] <- 0
d[6,7] <- -d.SU.LIR09 + d.SU.LIR12
d[6,8] <- d.EX10BID.LIR18 + -d.EX10BID.SU + -d.SU.LIR09
d[6,9] <- d.EX10BID.Met + -d.EX10BID.SU + -d.SU.LIR09
d[6,10] <- -d.SU.LIR09
d[6,11] <- -d.EX10BID.SU + d.EX10BID.Sitagliptin + -d.SU.LIR09
d[6,12] <- -d.EX10BID.SU + d.EX10BID.TZD + -d.SU.LIR09
d[6,13] <- -d.EX10BID.SU + d.EX10BID.placebo + -d.SU.LIR09
d[7,1] <- -d.EX10BID.SU + -d.SU.LIR12
d[7,2] <- d.EX10BID.EX2QW + -d.EX10BID.SU + -d.SU.LIR12
d[7,3] <- d.EX10BID.Exe5ug + -d.EX10BID.SU + -d.SU.LIR12
d[7,4] <- d.EX10BID.Insulin + -d.EX10BID.SU + -d.SU.LIR12
d[7,5] <- d.SU.LIR06 + -d.SU.LIR12
d[7,6] <- d.SU.LIR09 + -d.SU.LIR12
d[7,7] <- 0
d[7,8] <- d.EX10BID.LIR18 + -d.EX10BID.SU + -d.SU.LIR12
d[7,9] <- d.EX10BID.Met + -d.EX10BID.SU + -d.SU.LIR12
d[7,10] <- -d.SU.LIR12
d[7,11] <- -d.EX10BID.SU + d.EX10BID.Sitagliptin + -d.SU.LIR12
d[7,12] <- -d.EX10BID.SU + d.EX10BID.TZD + -d.SU.LIR12
d[7,13] <- -d.EX10BID.SU + d.EX10BID.placebo + -d.SU.LIR12
d[8,1] <- -d.EX10BID.LIR18
d[8,2] <- d.EX10BID.EX2QW + -d.EX10BID.LIR18
d[8,3] <- d.EX10BID.Exe5ug + -d.EX10BID.LIR18
d[8,4] <- d.EX10BID.Insulin + -d.EX10BID.LIR18
d[8,5] <- -d.EX10BID.LIR18 + d.EX10BID.SU + d.SU.LIR06
d[8,6] <- -d.EX10BID.LIR18 + d.EX10BID.SU + d.SU.LIR09
d[8,7] <- -d.EX10BID.LIR18 + d.EX10BID.SU + d.SU.LIR12
d[8,8] <- 0
d[8,9] <- -d.EX10BID.LIR18 + d.EX10BID.Met
d[8,10] <- -d.EX10BID.LIR18 + d.EX10BID.SU
d[8,11] <- -d.EX10BID.LIR18 + d.EX10BID.Sitagliptin
d[8,12] <- -d.EX10BID.LIR18 + d.EX10BID.TZD
d[8,13] <- -d.EX10BID.LIR18 + d.EX10BID.placebo
d[9,1] <- -d.EX10BID.Met
d[9,2] <- d.EX10BID.EX2QW + -d.EX10BID.Met
d[9,3] <- d.EX10BID.Exe5ug + -d.EX10BID.Met
d[9,4] <- d.EX10BID.Insulin + -d.EX10BID.Met
```

```
d[9,5] <- -d.EX10BID.Met + d.EX10BID.SU + d.SU.LIR06
d[9,6] <- -d.EX10BID.Met + d.EX10BID.SU + d.SU.LIR09
d[9,7] <- -d.EX10BID.Met + d.EX10BID.SU + d.SU.LIR12
d[9,8] <- d.EX10BID.LIR18 + -d.EX10BID.Met
d[9,9] <- 0
d[9,10] <- -d.EX10BID.Met + d.EX10BID.SU
d[9,11] <- -d.EX10BID.Met + d.EX10BID.Sitagliptin
d[9,12] <- -d.EX10BID.Met + d.EX10BID.TZD
d[9,13] <- -d.EX10BID.Met + d.EX10BID.placebo
d[10,1] <- -d.EX10BID.SU
d[10,2] <- d.EX10BID.EX2QW + -d.EX10BID.SU
d[10,3] <- d.EX10BID.Exe5ug + -d.EX10BID.SU
d[10,4] <- d.EX10BID.Insulin + -d.EX10BID.SU
d[10,5] <- d.SU.LIR06
d[10,6] <- d.SU.LIR09
d[10,7] <- d.SU.LIR12
d[10,8] <- d.EX10BID.LIR18 + -d.EX10BID.SU
d[10,9] <- d.EX10BID.Met + -d.EX10BID.SU
d[10,10] <- 0
d[10,11] <- -d.EX10BID.SU + d.EX10BID.Sitagliptin
d[10,12] <- -d.EX10BID.SU + d.EX10BID.TZD
d[10,13] <- -d.EX10BID.SU + d.EX10BID.placebo
d[11,1] <- -d.EX10BID.Sitagliptin
d[11,2] <- d.EX10BID.EX2QW + -d.EX10BID.Sitagliptin
d[11,3] <- d.EX10BID.Exe5ug + -d.EX10BID.Sitagliptin
d[11,4] <- d.EX10BID.Insulin + -d.EX10BID.Sitagliptin
d[11,5] <- d.EX10BID.SU + -d.EX10BID.Sitagliptin + d.SU.LIR06
d[11,6] <- d.EX10BID.SU + -d.EX10BID.Sitagliptin + d.SU.LIR09
d[11,7] <- d.EX10BID.SU + -d.EX10BID.Sitagliptin + d.SU.LIR12
d[11,8] <- d.EX10BID.LIR18 + -d.EX10BID.Sitagliptin
d[11,9] <- d.EX10BID.Met + -d.EX10BID.Sitagliptin
d[11,10] <- d.EX10BID.SU + -d.EX10BID.Sitagliptin
d[11,11] <- 0
d[11,12] <- -d.EX10BID.Sitagliptin + d.EX10BID.TZD
d[11,13] <- -d.EX10BID.Sitagliptin + d.EX10BID.placebo
d[12,1] <- -d.EX10BID.TZD
d[12,2] <- d.EX10BID.EX2QW + -d.EX10BID.TZD
d[12,3] <- d.EX10BID.Exe5ug + -d.EX10BID.TZD
d[12,4] <- d.EX10BID.Insulin + -d.EX10BID.TZD
d[12,5] <- d.EX10BID.SU + -d.EX10BID.TZD + d.SU.LIR06
d[12,6] <- d.EX10BID.SU + -d.EX10BID.TZD + d.SU.LIR09
d[12,7] <- d.EX10BID.SU + -d.EX10BID.TZD + d.SU.LIR12
d[12,8] <- d.EX10BID.LIR18 + -d.EX10BID.TZD
d[12,9] <- d.EX10BID.Met + -d.EX10BID.TZD
```

```
        d[12,10] <- d.EX10BID.SU + -d.EX10BID.TZD
        d[12,11] <- d.EX10BID.Sitagliptin + -d.EX10BID.TZD
        d[12,12] <- 0
        d[12,13] <- -d.EX10BID.TZD + d.EX10BID.placebo
        d[13,1] <- -d.EX10BID.placebo
        d[13,2] <- d.EX10BID.EX2QW + -d.EX10BID.placebo
        d[13,3] <- d.EX10BID.Exe5ug + -d.EX10BID.placebo
        d[13,4] <- d.EX10BID.Insulin + -d.EX10BID.placebo
        d[13,5] <- d.EX10BID.SU + -d.EX10BID.placebo + d.SU.LIR06
        d[13,6] <- d.EX10BID.SU + -d.EX10BID.placebo + d.SU.LIR09
        d[13,7] <- d.EX10BID.SU + -d.EX10BID.placebo + d.SU.LIR12
        d[13,8] <- d.EX10BID.LIR18 + -d.EX10BID.placebo
        d[13,9] <- d.EX10BID.Met + -d.EX10BID.placebo
        d[13,10] <- d.EX10BID.SU + -d.EX10BID.placebo
        d[13,11] <- d.EX10BID.Sitagliptin + -d.EX10BID.placebo
        d[13,12] <- d.EX10BID.TZD + -d.EX10BID.placebo
        d[13,13] <- 0

        # Study baseline priors
        for (i in 1:ns) {
              mu[i] ~ dnorm(0, 2.938E-5)
        }

        # Variance prior
        sd.d ~ dunif(0, 1.23E1)
        tau.d <- pow(sd.d, -2)

        # Effect parameter priors
        d.EX10BID.EX2QW ~ dnorm(0, 2.938E-5)
        d.EX10BID.Exe5ug ~ dnorm(0, 2.938E-5)
        d.EX10BID.Insulin ~ dnorm(0, 2.938E-5)
        d.EX10BID.LIR18 ~ dnorm(0, 2.938E-5)
        d.EX10BID.Met ~ dnorm(0, 2.938E-5)
        d.EX10BID.SU ~ dnorm(0, 2.938E-5)
        d.EX10BID.Sitagliptin ~ dnorm(0, 2.938E-5)
        d.EX10BID.TZD ~ dnorm(0, 2.938E-5)
        d.EX10BID.placebo ~ dnorm(0, 2.938E-5)
        d.SU.LIR06 ~ dnorm(0, 2.938E-5)
        d.SU.LIR09 ~ dnorm(0, 2.938E-5)
        d.SU.LIR12 ~ dnorm(0, 2.938E-5)
}

list(
ns = 51,
```

na = c(2, 3, 2, 2, 2, 3, 2, 2, 3, 2, 4, 2, 2, 2, 2, 3, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 3, 3, 3, 3, 2, 5, 5, 3, 3, 3, 2, 2, 3, 3, 2, 2, 3, 3, 2, 4, 2, 2),

t = structure(.Data = c(1, 13, NA, NA, NA, 1, 11, 13, NA, NA, 1, 4, NA, NA, NA, 1, 4, NA, NA, NA, 1, 4, NA, NA, NA, 1, 3, 13, NA, NA, 1, 13, NA, NA, NA, 1, 2, NA, NA, NA, 2, 11, 12, NA, NA, 2, 4, NA, NA, NA, 2, 9, 11, 12, NA, 2, 8, NA, NA, NA, 2, 4, NA, NA, NA, 1, 4, NA, NA, NA, 1, 4, NA, NA, NA, 1, 3, 13, NA, NA, 1, 12, NA, NA, NA, 1, 10, NA, NA, NA, 1, 10, NA, NA, NA, 1, 13, NA, NA, NA, 8, 13, NA, NA, NA, 1, 4, NA, NA, NA, 1, 10, NA, NA, NA, 1, 13, NA, NA, NA, 5, 13, NA, NA, NA, 1, 4, NA, NA, NA, 2, 4, NA, NA, NA, 2, 13, NA, NA, NA, 1, 2, NA, NA, NA, 1, 3, 13, NA, NA, 1, 3, 13, NA, NA, 5, 6, 13, NA, NA, 1, 3, 13, NA, NA, 2, 13, NA, NA, NA, 5, 7, 8, 12, 13, 10, 5, 7, 8, 13, 10, 7, 8, NA, NA, 7, 8, 13, NA, NA, 4, 8, 13, NA, NA, 1, 8, NA, NA, NA, 1, 13, NA, NA, NA, 1, 3, 13, NA, NA, 10, 8, 13, NA, NA, 1, 13, NA, NA, NA, 1, 4, NA, NA, NA, 7, 8, 11, NA, NA, 5, 6, 13, NA, NA, 10, 6, NA, NA, NA, 10, 5, 7, 8, NA, 1, 9, NA, NA, NA, 1, 13, NA, NA, NA), .Dim = c(51, 5)),

m = structure(.Data = c(-6.16, -3.97, NA, NA, NA, -0.9, 0.1, 0.4, NA, NA, -1.6, 0.6, NA, NA, NA, -1.9, 4.1, NA, NA, NA, -3.6, 1.0, NA, NA, NA, -1.6, -0.9, -0.6, NA, NA, -1.78, 0.96, NA, NA, NA, -3.6, -3.7, NA, NA, NA, -2.3, -0.8, 2.8, NA, NA, -2.1, 2.4, NA, NA, NA, -2.0, -2.0, -0.8, 1.5, NA, -2.68, -3.57, NA, NA, NA, -2.79, 0.88, NA, NA, NA, -2.73, 2.98, NA, NA, NA, -4.2, 0.5, NA, NA, NA, -2.8, -1.6, -0.3, NA, NA, -2.82, 1.48, NA, NA, NA, -8.0, 4.3, NA, NA, NA, -5.1, -0.9, NA, NA, NA, -6.4, -2.3, NA, NA, NA, -3.5, -0.2, NA, NA, NA, -4.1, 1.02, NA, NA, NA, -3.92, 1.47, NA, NA, NA, -1.2, -0.1, NA, NA, NA, -0.7, -0.9, NA, NA, NA, -2.3, 1.8, NA, NA, NA, -1.67, -0.34, NA, NA, NA, -0.8, -1.6, NA, NA, NA, -2.45, -1.63, NA, NA, NA, -1.3, -0.2, -0.7, NA, NA, -1.54, -0.39, -0.47, NA, NA, -0.44, -1.37, -1.87, NA, NA, -1.6, -1.6, -0.9, NA, NA, -3.8, -0.04, NA, NA, NA, 0.7, 0.3, -0.2, 2.1, -0.1, 0.7, -2.07, -3.03, -2.91, -1.8, 0.95, -1.89, -2.7, NA, NA, -1.0, -2.0, 0.6, NA, NA, 1.6, -1.8, -0.42, NA, NA, -2.87, -3.24, NA, NA, NA, -2.1, -1.4, NA, NA, NA, -3.1, -2.8, -1.4, NA, NA, 1.038, -1.821, -0.293, NA, NA, -2.54, -0.33, NA, NA, NA, -2.5, 2.9, NA, NA, NA, -2.78, -3.68, -1.16, NA, NA, -0.1, -0.48, -0.95, NA, NA, 1.21, -0.9, NA, NA, NA, 0.1, -1.8, -2.3, -2.4, NA, -5.8, -3.81, NA, NA, NA, -1.75, -0.24, NA, NA, NA), .Dim = c(51, 5)),

e = structure(.Data = c(0.5402433314191458, 0.5197234841721124, NA, NA, NA, 0.425, 0.4, 0.375, NA, NA, 0.29964229882707955, 0.29964229882707955, NA, NA, NA, 0.3412500738508723, 0.4849343154722923, NA, NA, NA, 0.6, 0.80075721739621, NA, NA, NA, 0.30023375905703775, 0.2996331089849718, 0.30025598834425493, NA, NA, 0.35028663966387197, 0.36033226924922374, NA, NA, NA, 0.5031195202938167, 0.5014169112813397, NA, NA, NA, 0.3059503636212907, 0.3314162744766041, 0.30595008505547855, NA, NA, 0.01310243564160837, 0.01310243564160837, NA, NA, NA, 0.44894544894567345, 0.45076673613578017, 0.2999887523453877, 0.2999887523453877, NA, 0.18010173142800803, 0.1799504398550337, NA, NA, NA, 0.3470110468942836, 0.3505229329596172, NA, NA, NA, 0.31, 0.3098634935183308, NA, NA, NA, 0.5570860145311556, 0.425, NA, NA, NA, 0.5004635019800737, 0.4004542874831488, 0.3000899570143675, NA, NA, 0.5472430904086409, 0.5472430904086409, NA, NA, NA, 0.15622669317698865, 0.24371395369996807, NA, NA, NA, 0.18721131622601486, 0.22285714285714286, NA, NA, NA, 1.2152753540027508, 1.490312245214168, NA, NA, NA, 5.2001323243236985, 5.7606290774898055, NA, NA, NA, 0.22001506728916123, 0.2197226312469449, NA, NA, NA, 0.3352578676747763, 0.3188162183680864, NA, NA, NA, 0.14970198315548047, 0.12474111121673642, NA, NA, NA, 0.47571500071446343, 0.6985938257194472, NA, NA, NA, 0.20020353279963501, 0.19969592268862563, NA, NA, NA,

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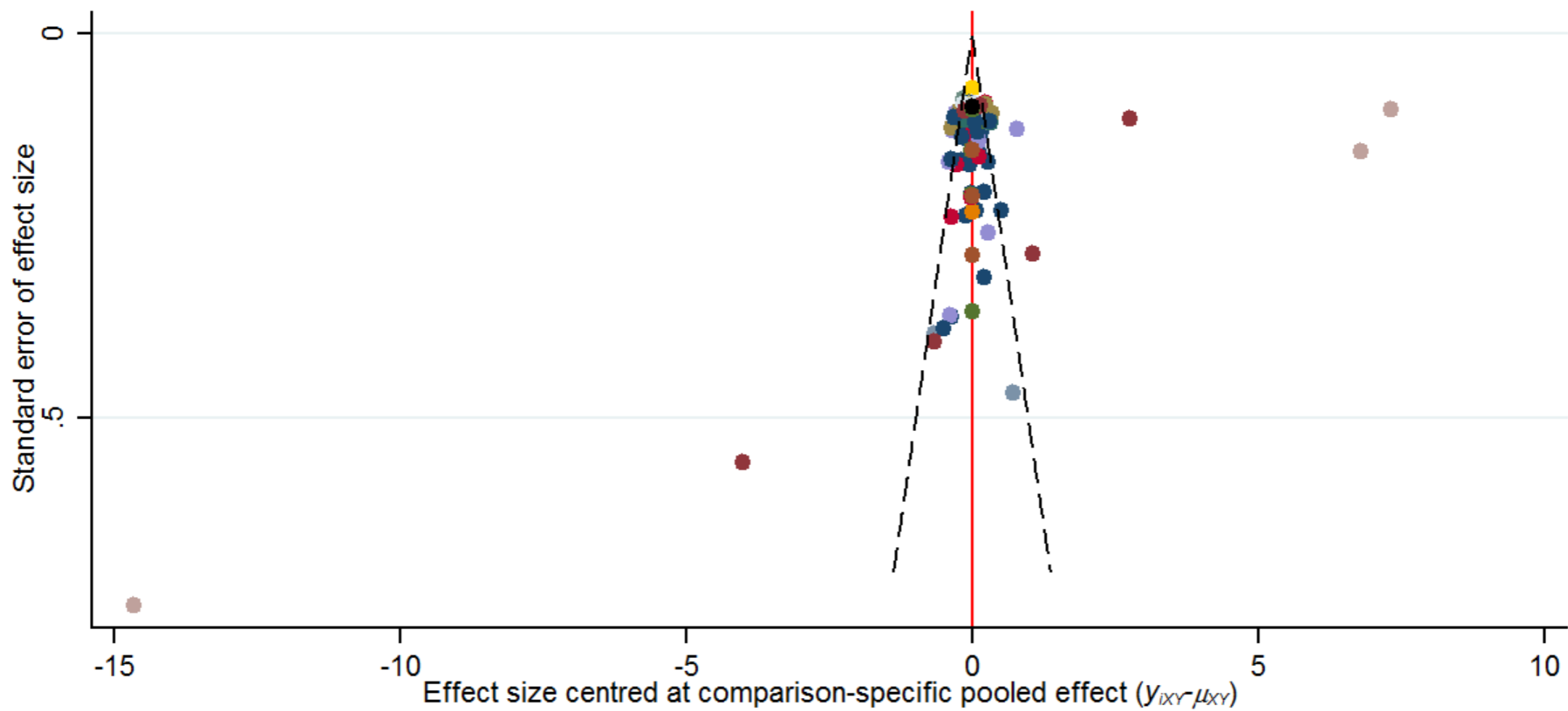
Legend:
- EX10BID vs Placebo
- EX10BID vs SU
- EX10BID vs Sitagliptin
- EX10BID vs TZD
- EX10BID vs EX2QW
- EX10BID vs EX5BID
- EX10BID vs Insulin
- EX10BID vs LIR18
- EX10BID vs Met
- EX2QW vs Placebo
- EX2QW vs Sitagliptin
- EX2QW vs TZD
- EX2QW vs Insulin
- EX2QW vs LIR18
- EX2QW vs Met
- EX5BID vs Placebo
- Insulin vs LIR18
- LIR06 vs Placebo
- LIR06 vs SU
- LIR06 vs TZD
- LIR06 vs LIR09
- LIR06 vs LIR12
- LIR06 vs LIR18
- LIR09 vs Placebo
- LIR09 vs SU
- LIR12 vs Placebo
- LIR12 vs SU
- LIR12 vs Sitagliptin
- LIR12 vs TZD
- LIR12 vs LIR18
- LIR18 vs Placebo
- LIR18 vs SU
- LIR18 vs Sitagliptin
- LIR18 vs TZD

EX10BID												
-1.14 (-2.34,0.04)	EX2QW											
-1.02 (-2.21,0.20)	0.15 (-1.53,1.77)	Exe5ug										
-4.68 (-5.66,-3.68)	**-3.52 (-4.74,-2.29)**	**-3.67 (-5.18,-2.13)**	Insulin									
-2.64 (-4.38,-0.88)	-1.48 (-3.46,0.40)	-1.63 (-3.70,0.39)	**2.04 (0.09,3.93)**	LIR0.6								
-3.13 (-6.71,0.46)	-1.99 (-5.75,1.77)	-2.10 (-5.88,1.60)	1.55 (-2.13,5.24)	-0.51 (-4.19,3.26)	LIR0.9							
-1.82 (-3.17,-0.44)	-0.67 (-2.26,0.87)	-0.81 (-2.51,0.95)	**2.86 (1.29,4.40)**	0.82 (-0.95,2.60)	1.30 (-2.42,4.97)	LIR1.2						
-0.99 (-2.13,0.13)	0.16 (-1.20,1.49)	0.02 (-1.54,1.55)	**3.69 (2.35,5.00)**	1.65 (-0.04,3.37)	2.14 (-1.50,5.77)	0.83 (-0.41,2.06)	LIR1.8					
-1.61 (-3.59,0.39)	-0.45 (-2.59,1.61)	-0.60 (-2.89,1.74)	**3.06 (0.91,5.19)**	1.02 (-1.45,3.57)	1.52 (-2.52,5.48)	0.21 (-2.08,2.45)	-0.62 (-2.75,1.53)	Met				
-6.08 (-7.35,-4.80)	**-4.94 (-6.54,-3.32)**	**-5.07 (-6.74,-3.36)**	-1.41 (-2.92,0.14)	**-3.44 (-5.26,-1.56)**	-2.95 (-6.52,0.56)	**-4.27 (-5.78,-2.70)**	**-5.11 (-6.47,-3.67)**	**-4.48 (-6.71,-2.17)**	SU			
-2.68 (-4.39,-0.95)	-1.52 (-3.23,0.15)	-1.67 (-3.69,0.38)	**1.99 (0.15,3.86)**	-0.03 (-2.25,2.18)	0.46 (-3.42,4.33)	-0.86 (-2.65,0.96)	-1.68 (-3.40,0.02)	-1.05 (-3.27,1.17)	**3.40 (1.45,5.38)**	Sitagliptin		
-4.88 (-6.61,-3.19)	**-3.75 (-5.38,-2.08)**	**-3.89 (-5.91,-1.84)**	-0.22 (-2.00,1.63)	**-2.25 (-4.30,-0.15)**	-1.76 (-5.64,2.06)	**-3.07 (-4.89,-1.27)**	**-3.90 (-5.60,-2.20)**	**-3.28 (-5.45,-1.00)**	1.20 (-0.74,3.13)	**-2.21 (-4.01,-0.41)**	TZD	
-2.07 (-2.93,-1.25)	-0.93 (-2.30,0.42)	-1.07 (-2.26,0.14)	**2.60 (1.39,3.80)**	0.56 (-1.15,2.28)	1.06 (-2.56,4.68)	-0.25 (-1.62,1.06)	-1.10 (-2.20,0.05)	-0.46 (-2.52,1.61)	**4.01 (2.58,5.32)**	0.60 (-1.16,2.36)	**2.81 (1.09,4.53)**	Placebo

Appendix Figure. Network meta-analysis results of 13 treatments at least 24w among 37 RCTs.

Treatments are reported in alphabetical order. For upper triangle, comparisons between treatments should be read from top to left and the estimate is in the cell in common between the column-defining treatment and the row-defining treatment. EX5BID:exenatide5μgtwicedaily;EX10BID:exenatide10μgtwicedaily;EX2QW:exenatide2mgonceweekly;LIR0.6:liraglutide0.6 mgoncedaily;LIR0.9:liraglutide0.9mgoncedaily;LIR1.2:liraglutide1.2mgoncedaily;LIR1.8:liraglutide1.8mgoncedaily;SU:sulphanylureas;TZD:thiazolidinedione;MET:metformin.