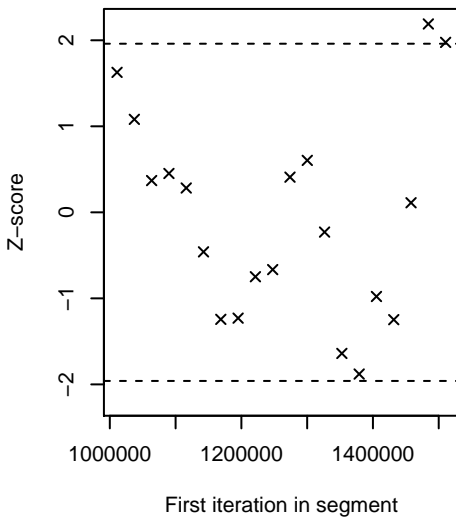
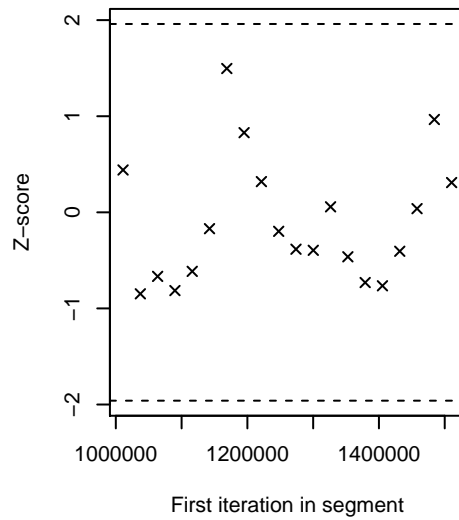
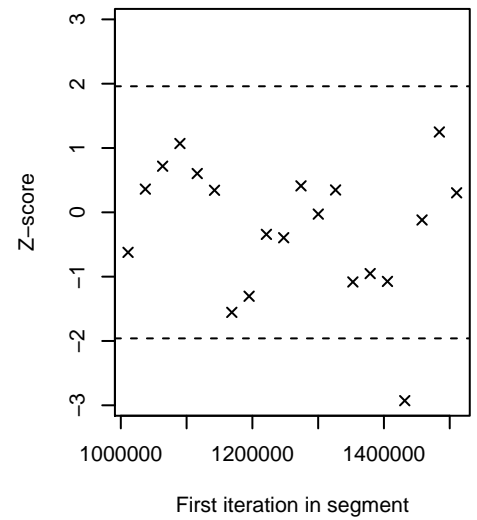
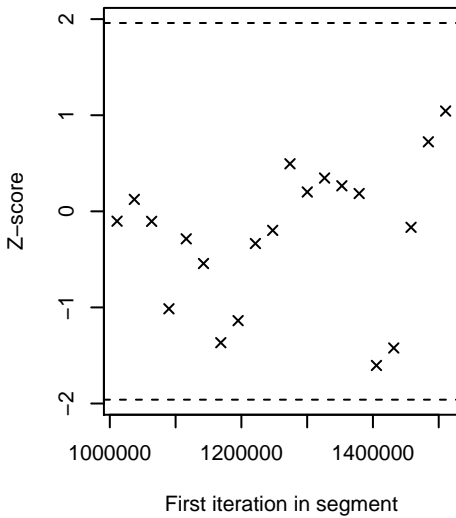
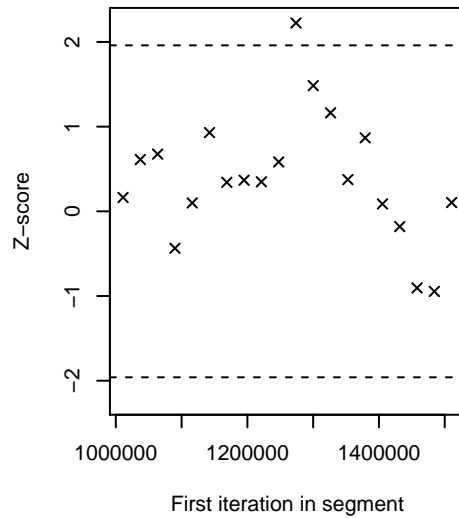
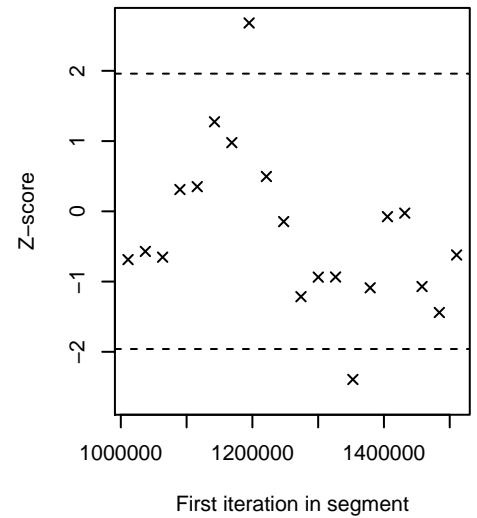
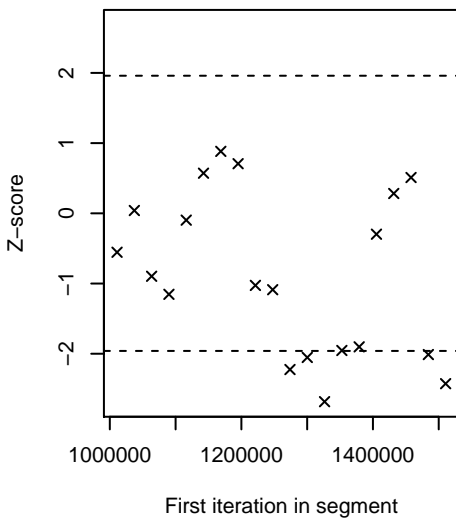
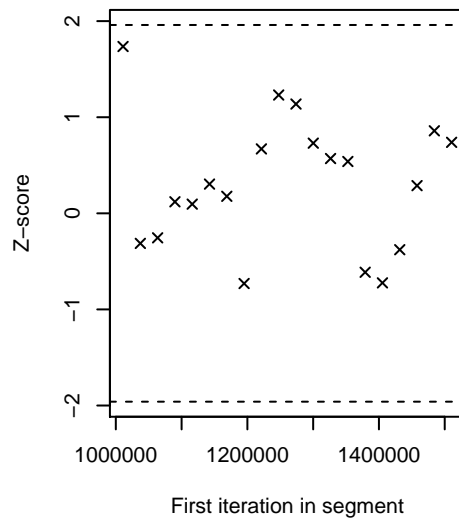
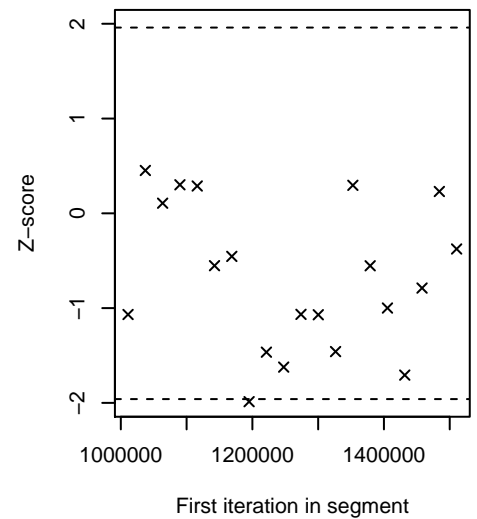
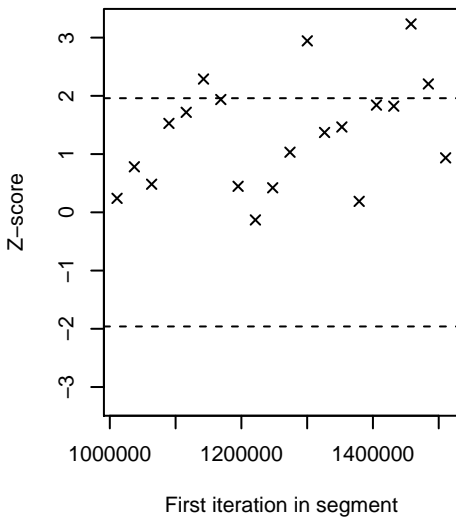
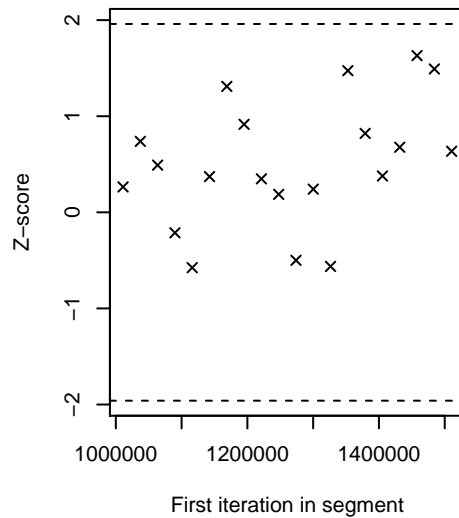
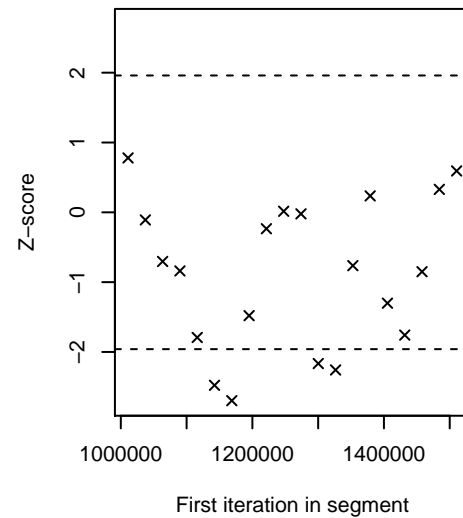
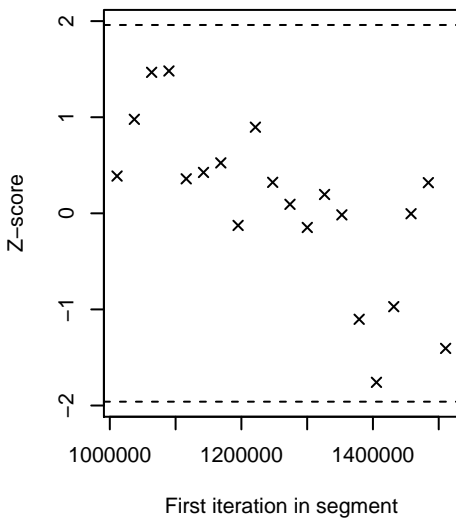
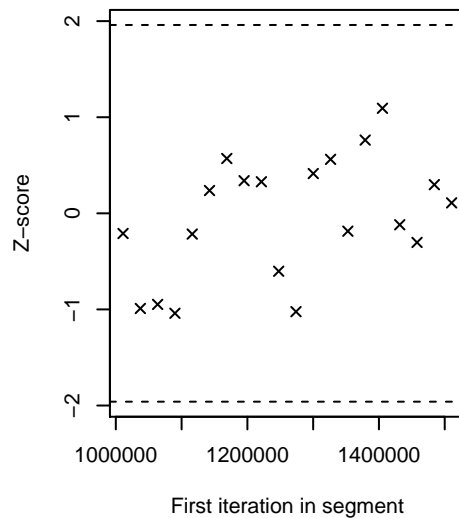
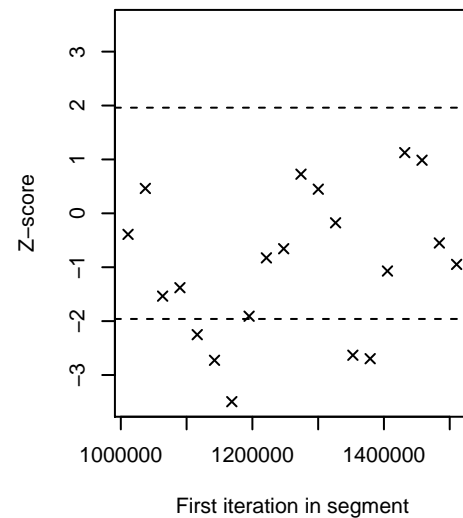
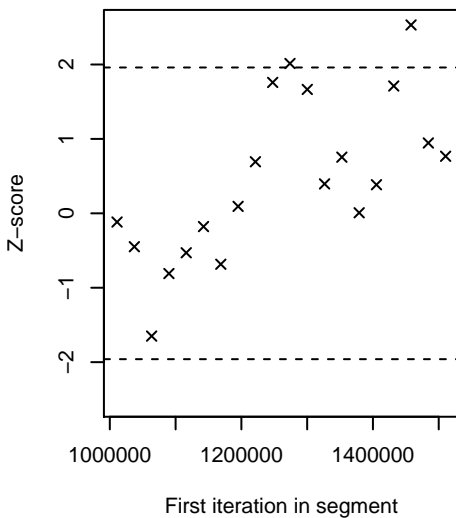
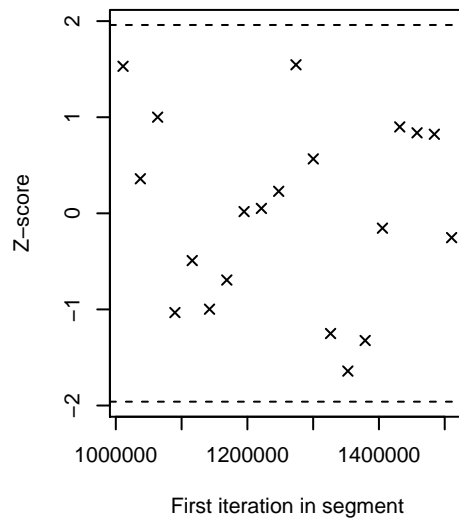
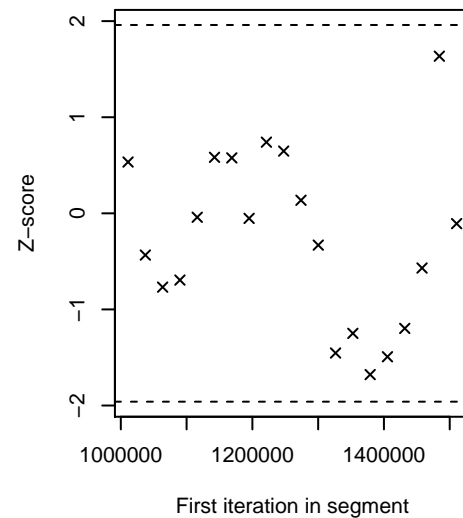
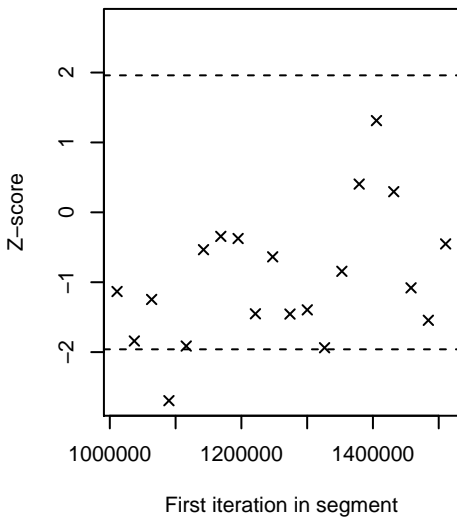


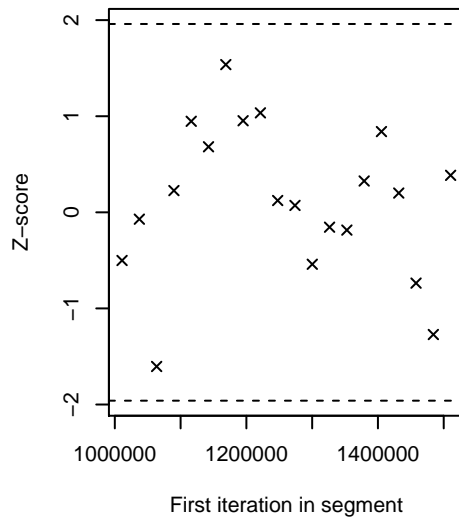
**B.sum (chain1)****D.sum (chain1)****H.B[1] (chain1)****H.B[2] (chain1)****H.B[3] (chain1)****H.B[4] (chain1)****H.B[5] (chain1)****H.B[6] (chain1)****H.B[7] (chain1)**

**H.B[8] (chain1)****H.B[9] (chain1)****H.B[10] (chain1)****H.B[11] (chain1)****H.B[12] (chain1)****H.B[13] (chain1)****H.B[14] (chain1)****H.B[15] (chain1)****H.B[16] (chain1)**

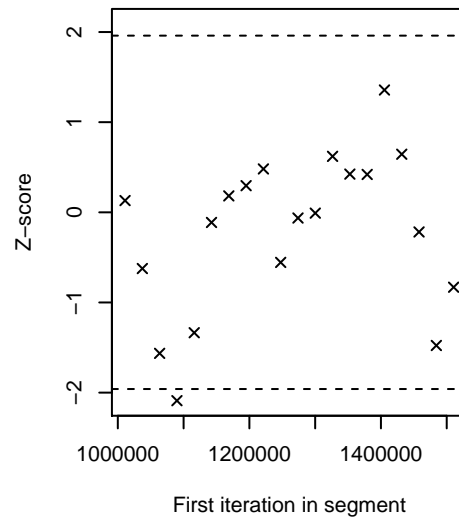
**H.B[17] (chain1)**



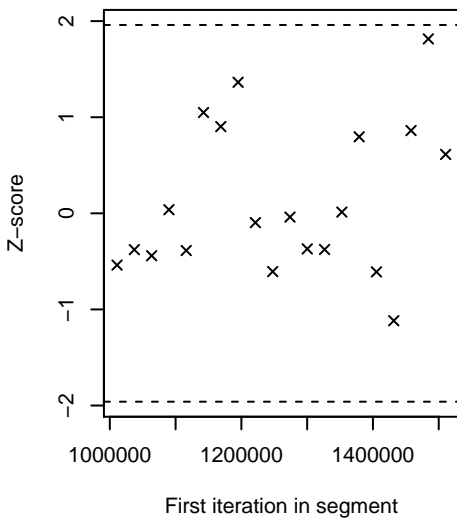
**H.B[18] (chain1)**



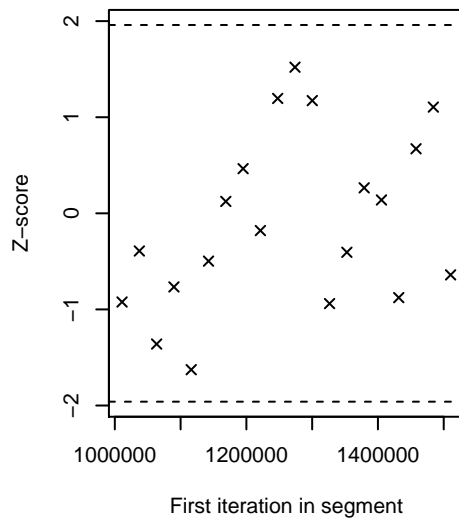
**H.B[19] (chain1)**



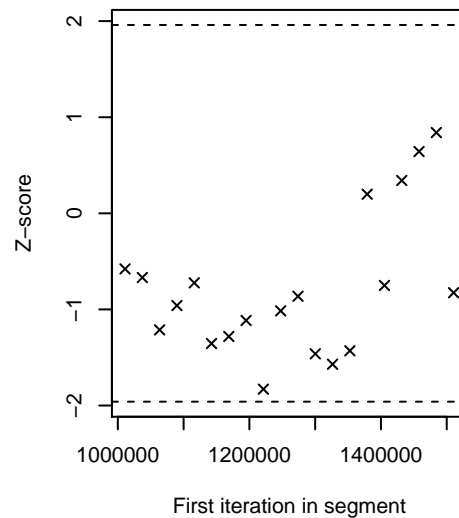
**H.B[20] (chain1)**



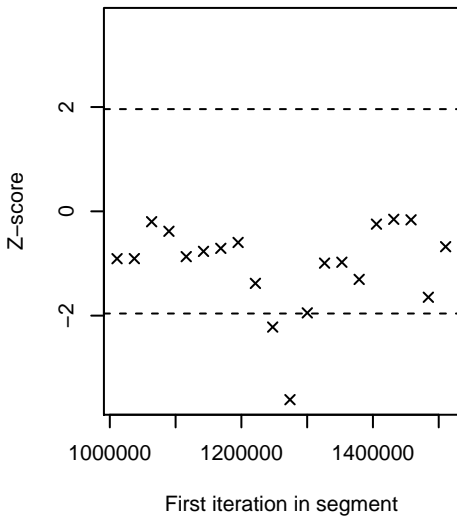
**H.B[21] (chain1)**



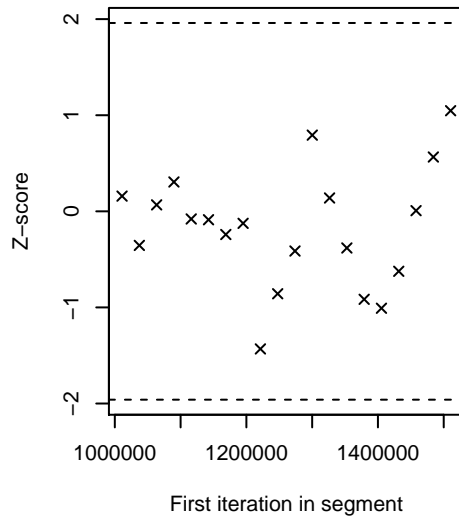
**H.B[22] (chain1)**



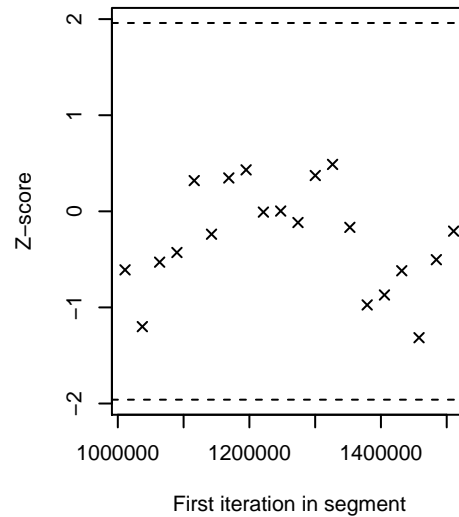
### H.B[23] (chain1)

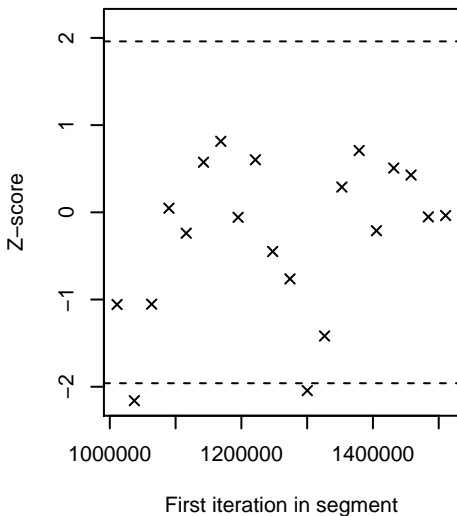
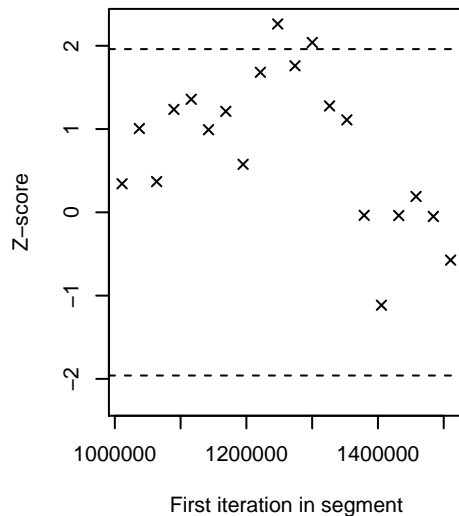
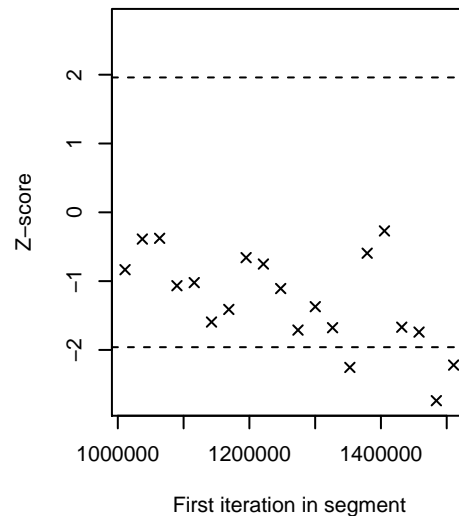
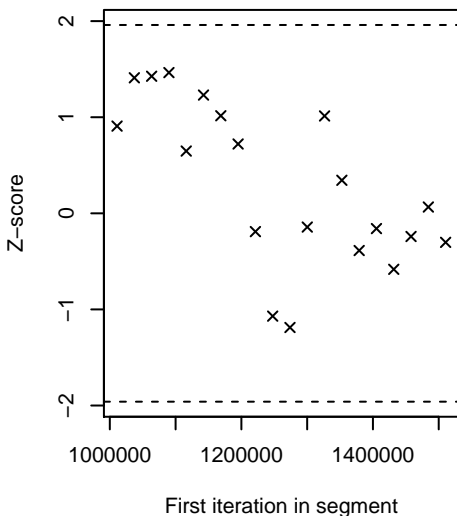
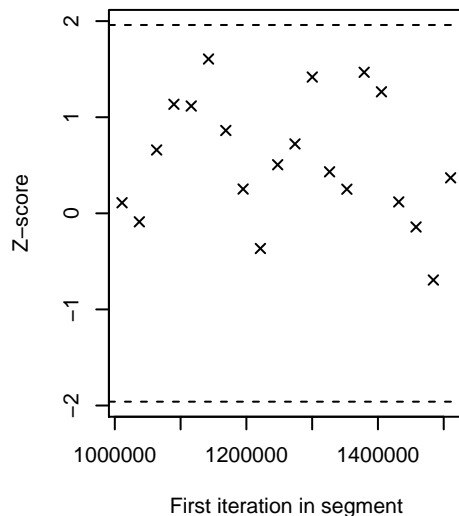
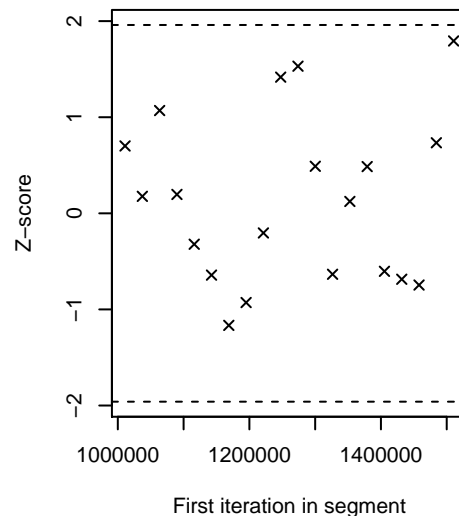
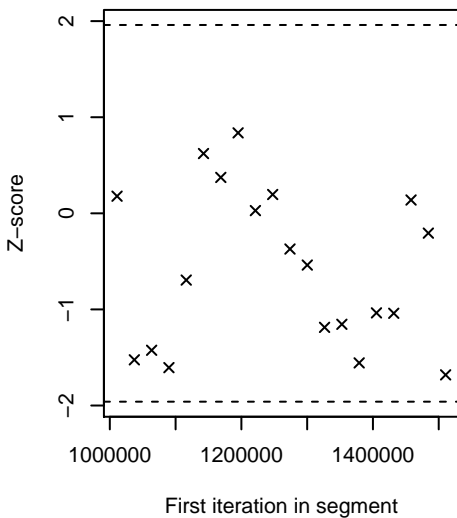
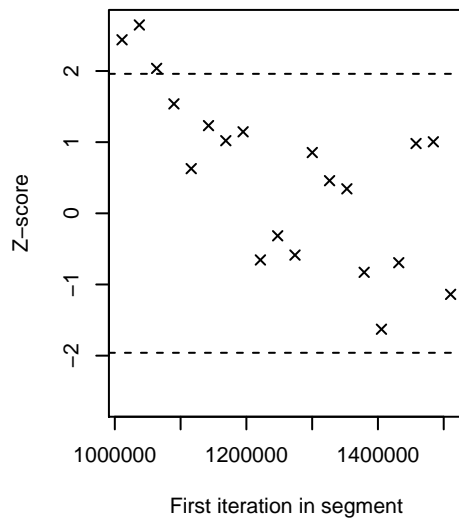
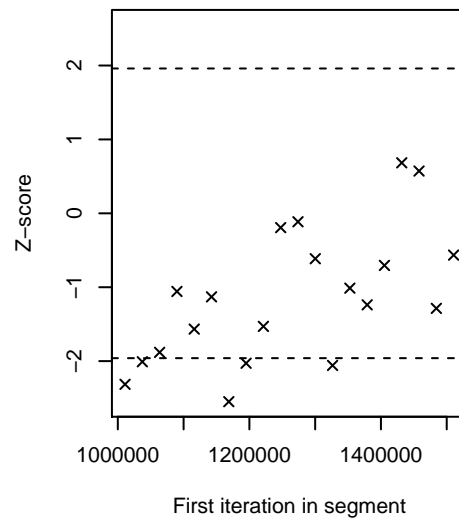


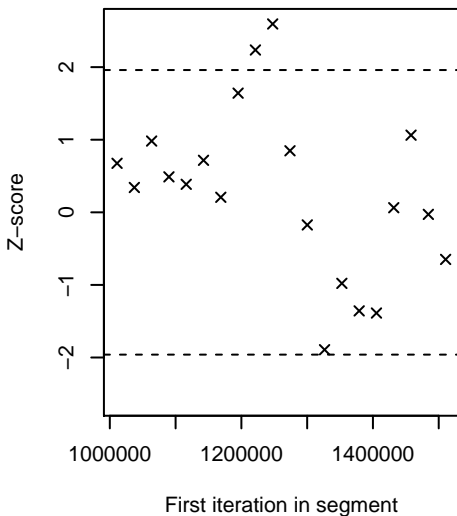
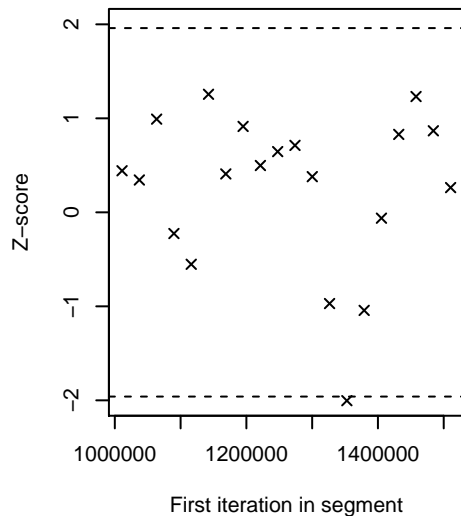
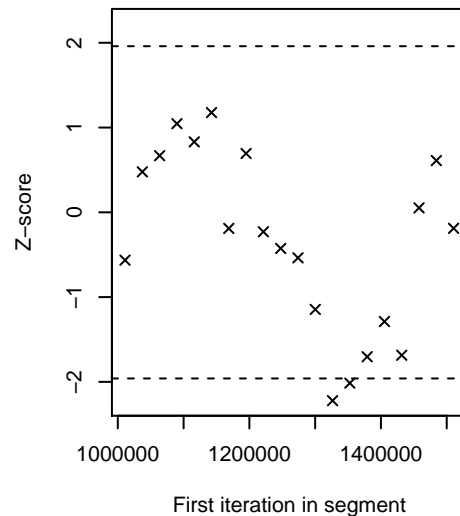
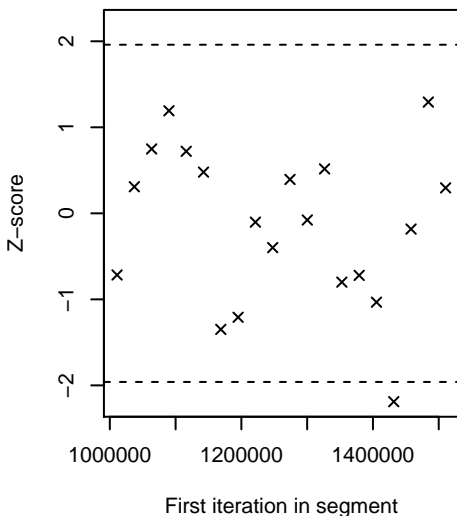
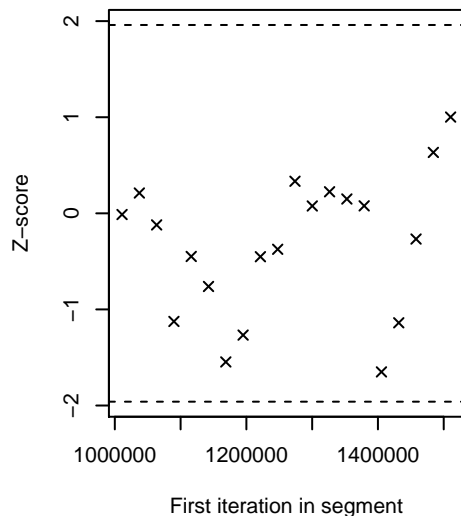
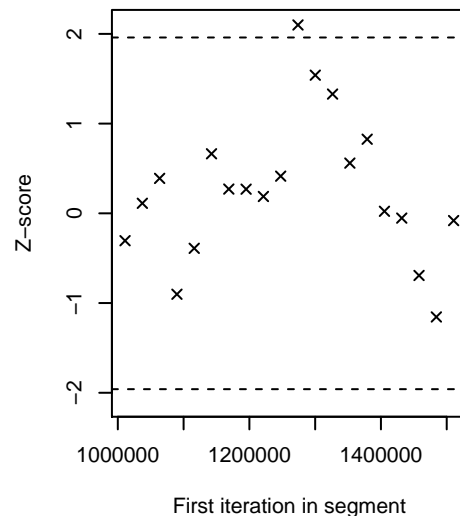
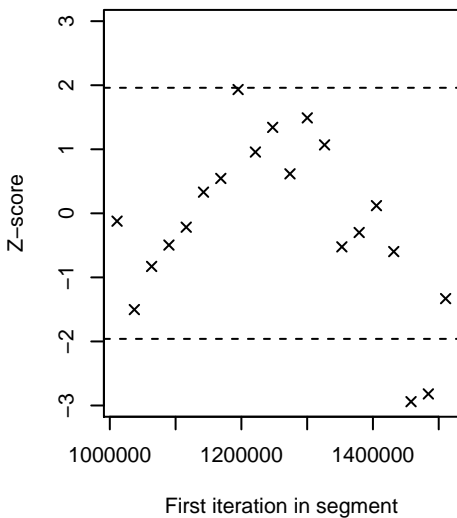
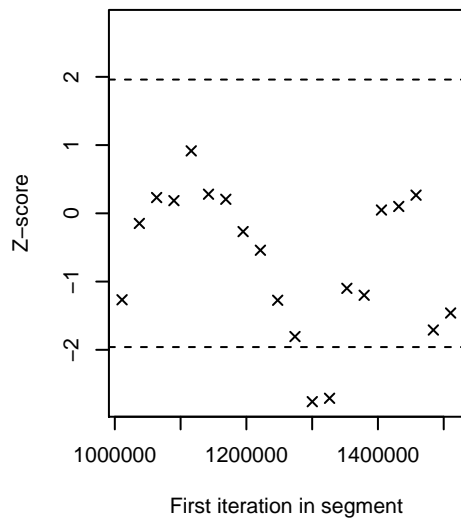
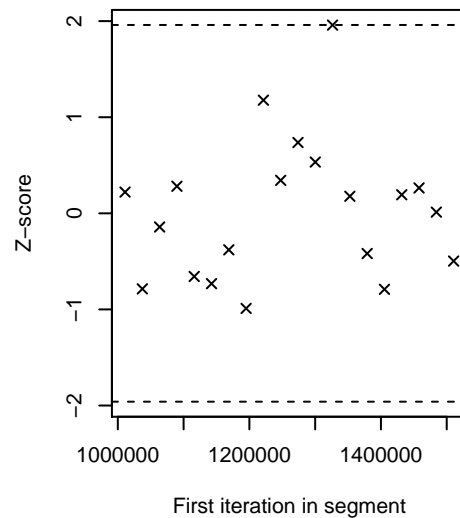
### H.B[24] (chain1)

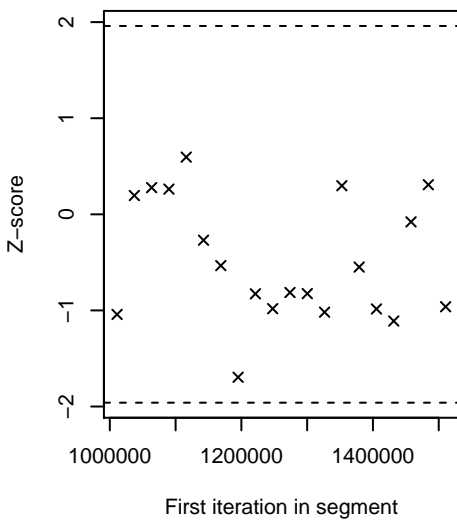
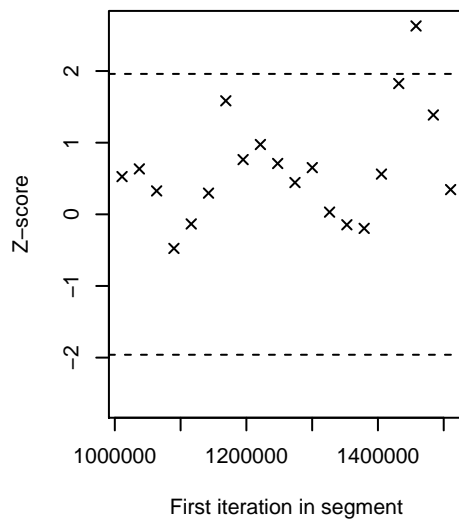
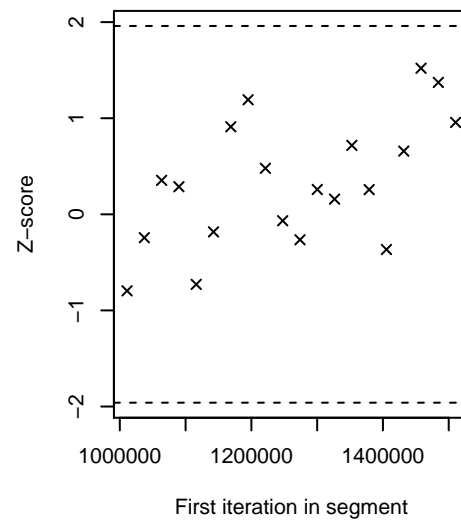
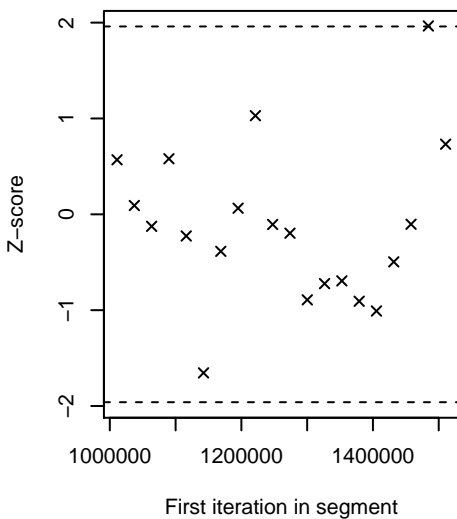
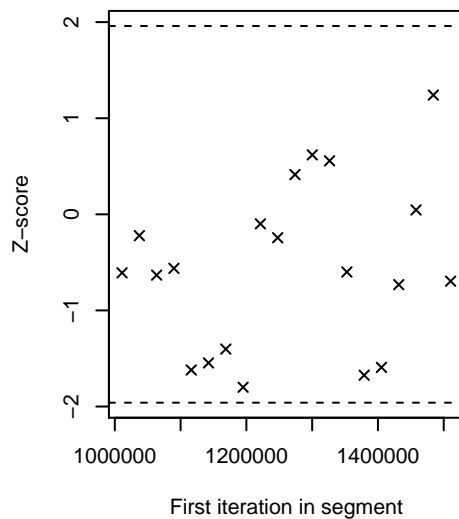
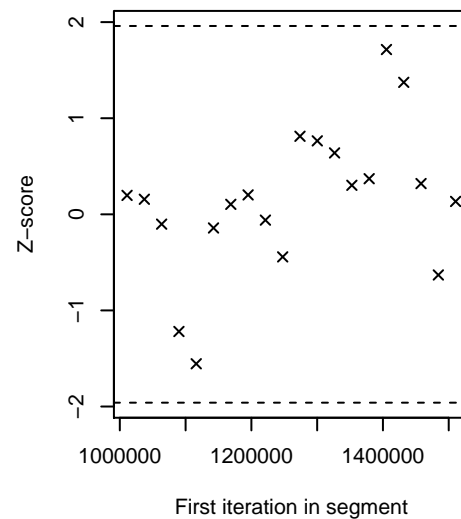
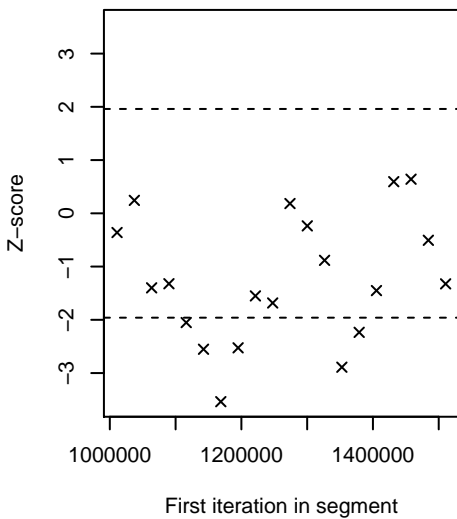
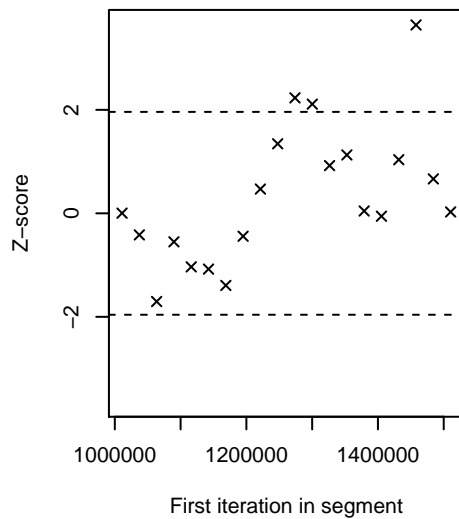
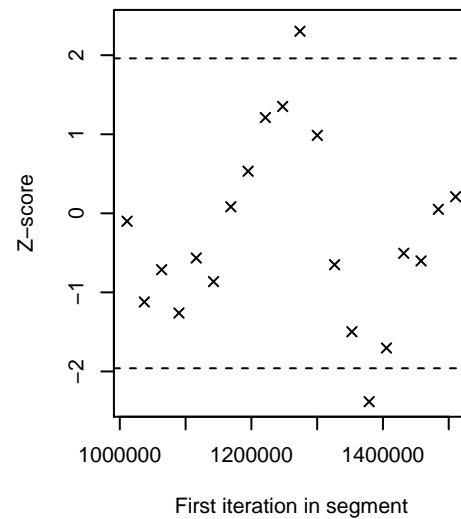


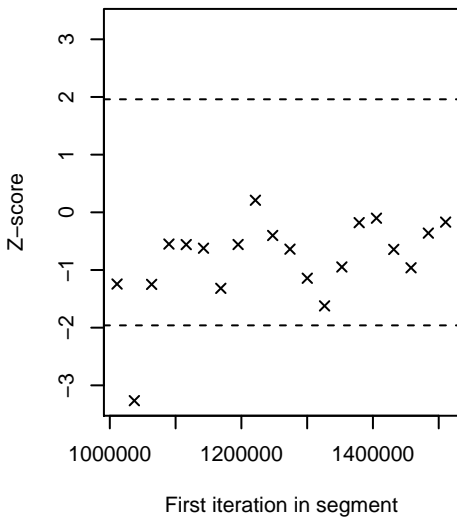
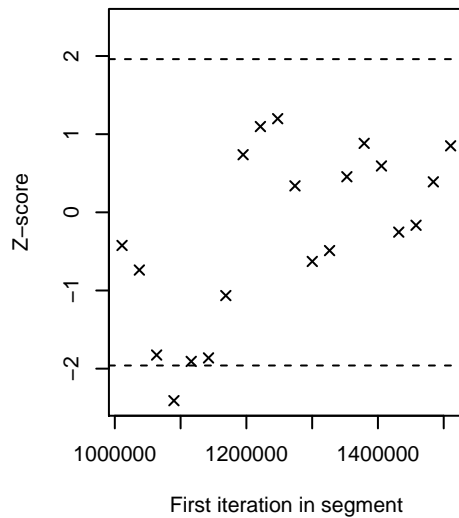
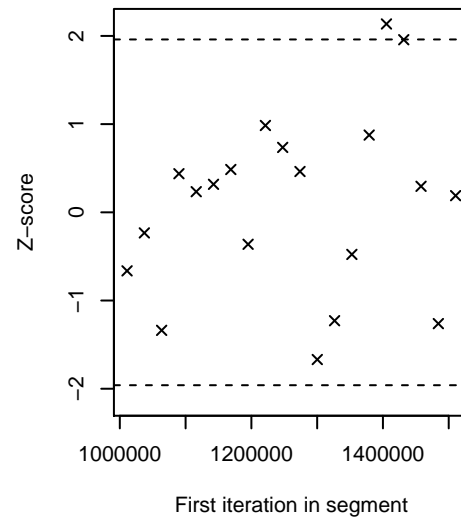
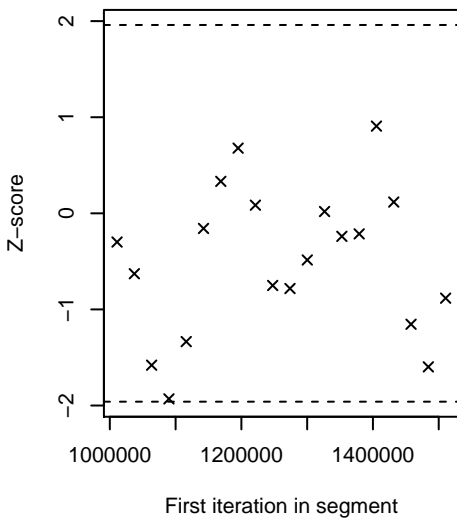
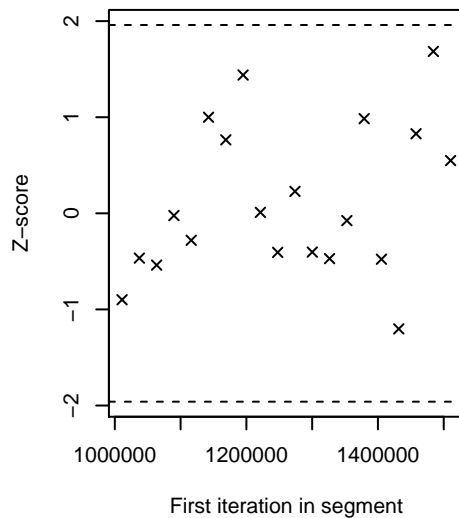
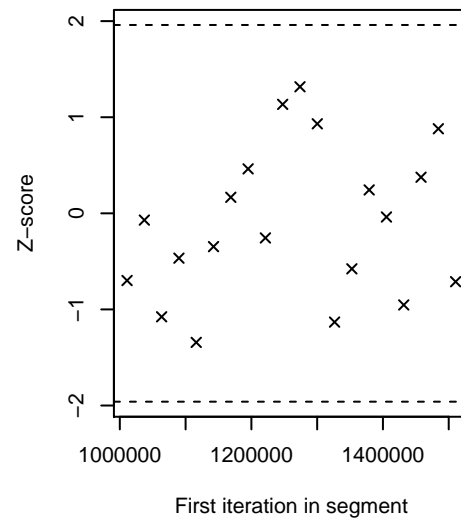
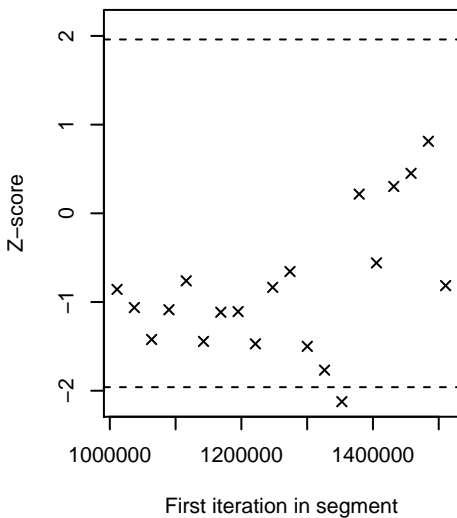
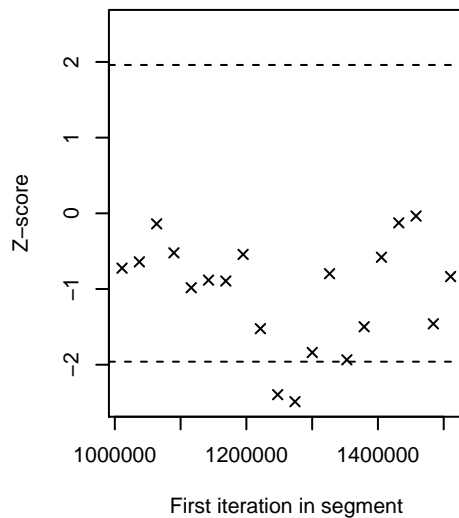
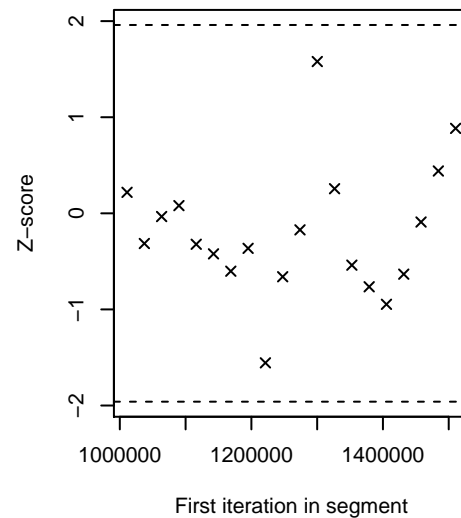
**H.B[25] (chain1)**

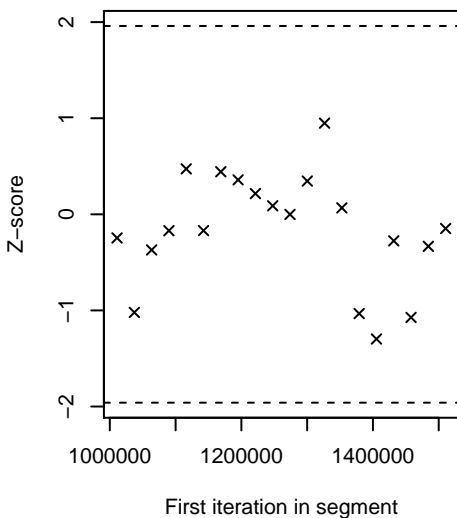
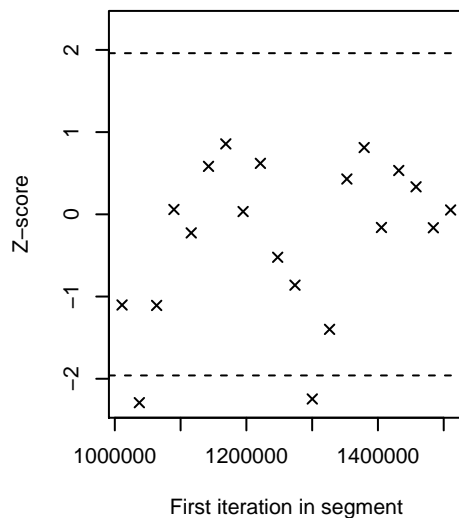
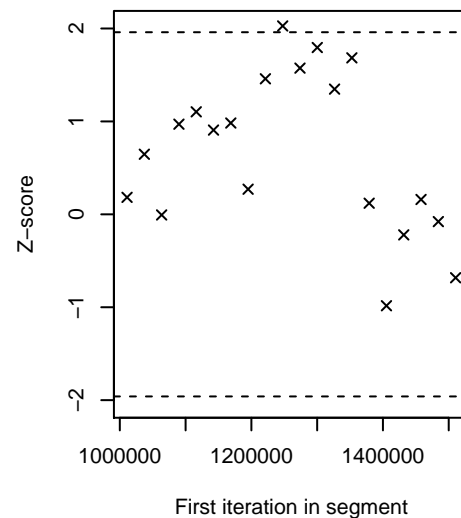
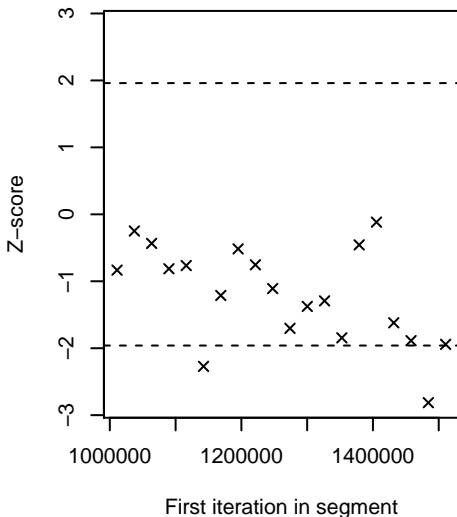
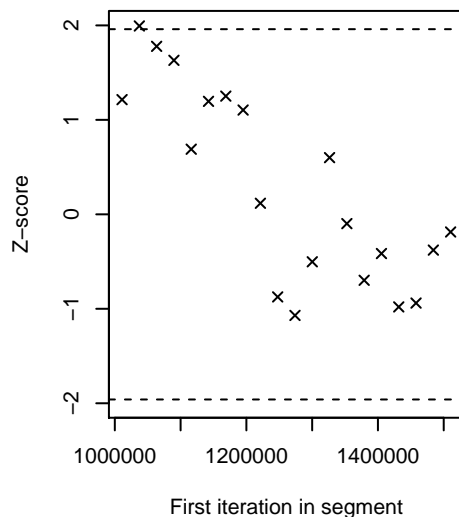
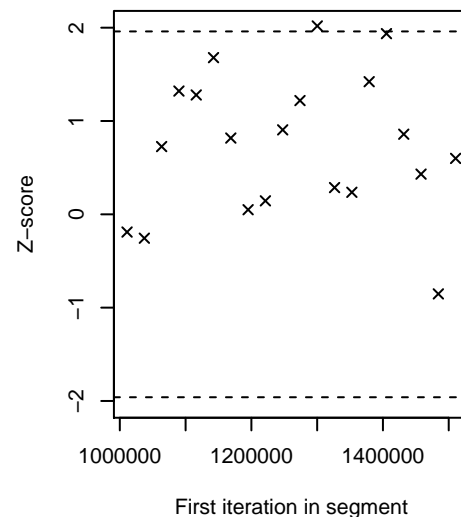
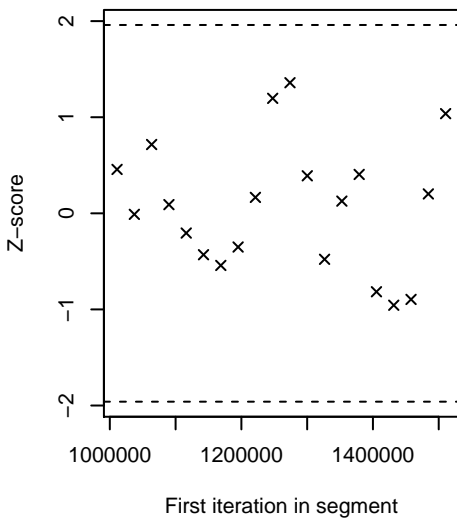
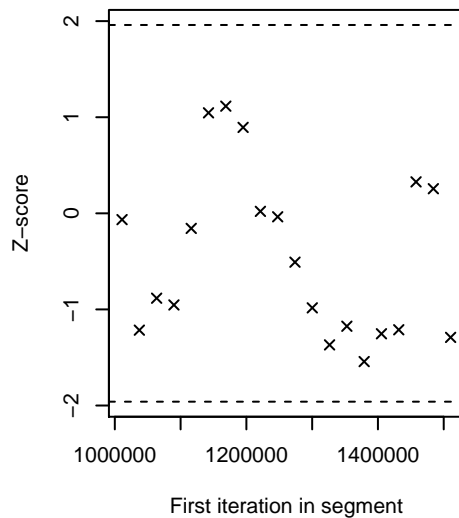
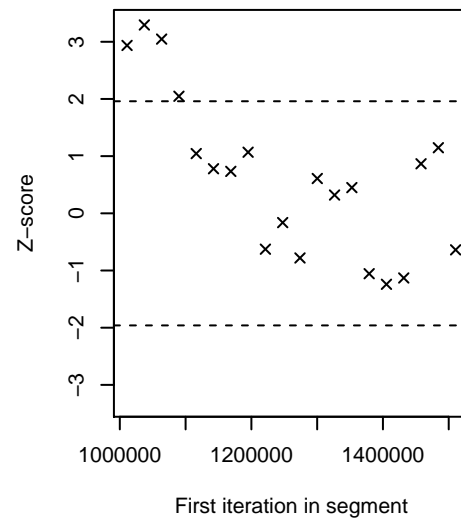


**H.B[26] (chain1)****H.B[27] (chain1)****H.B[28] (chain1)****H.B[29] (chain1)****H.B[30] (chain1)****H.B[31] (chain1)****H.B[32] (chain1)****H.B[33] (chain1)****H.B[34] (chain1)**

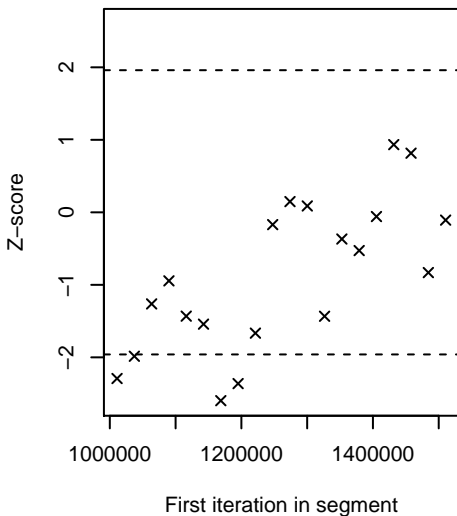
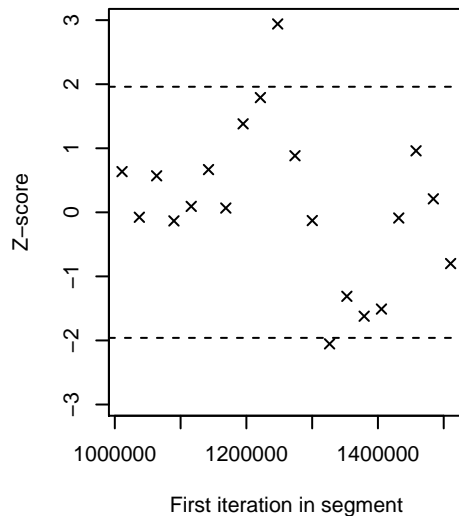
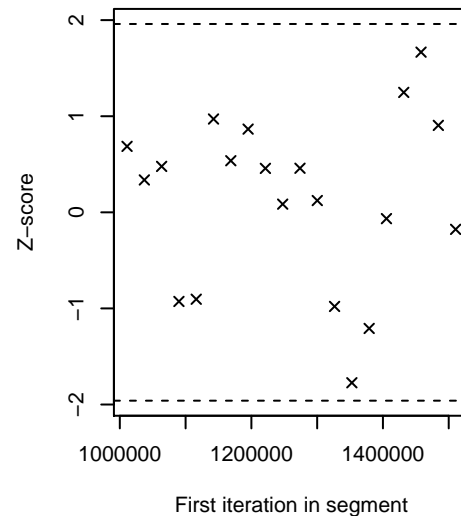
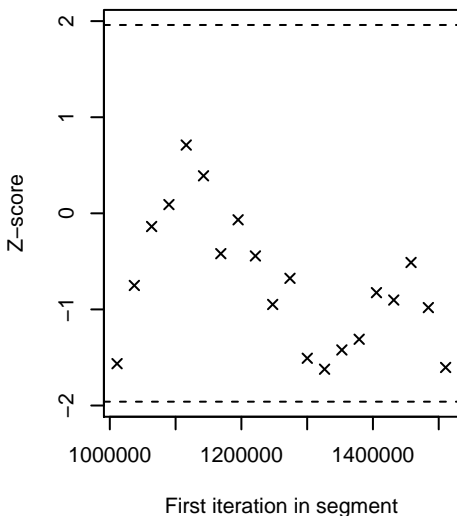
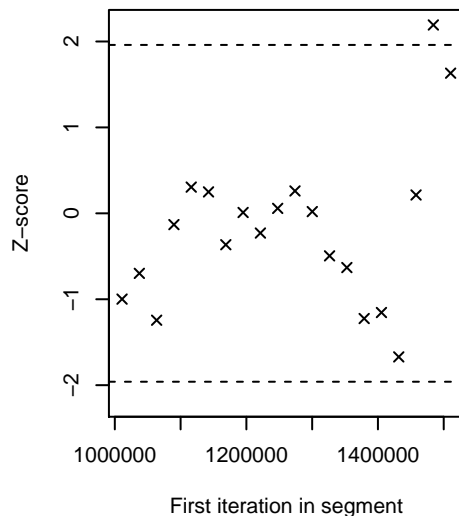
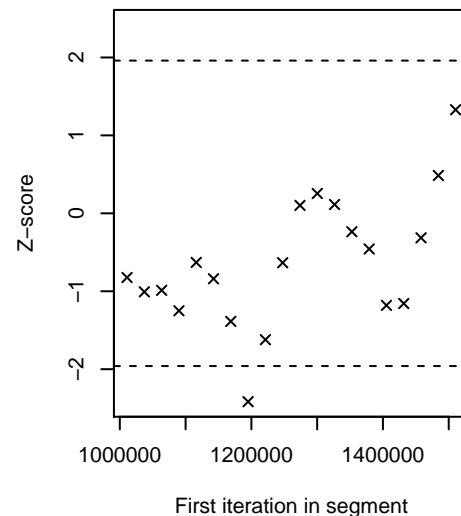
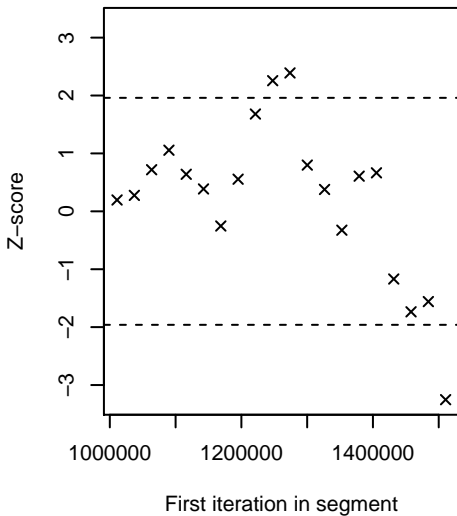
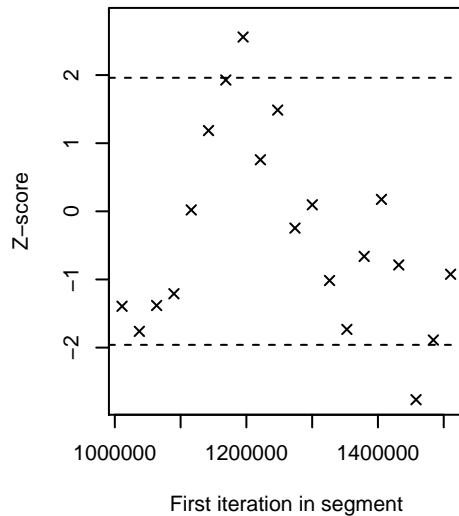
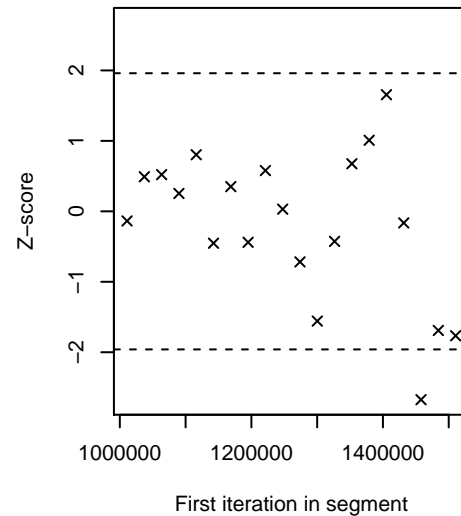
**H.B[35] (chain1)****H.B[36] (chain1)****H.B[37] (chain1)****N[1] (chain1)****N[2] (chain1)****N[3] (chain1)****N[4] (chain1)****N[5] (chain1)****N[6] (chain1)**

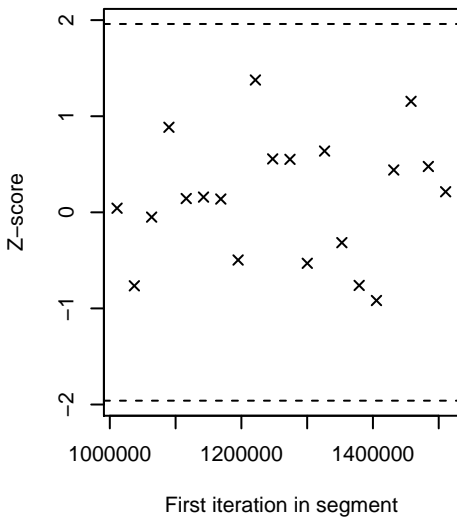
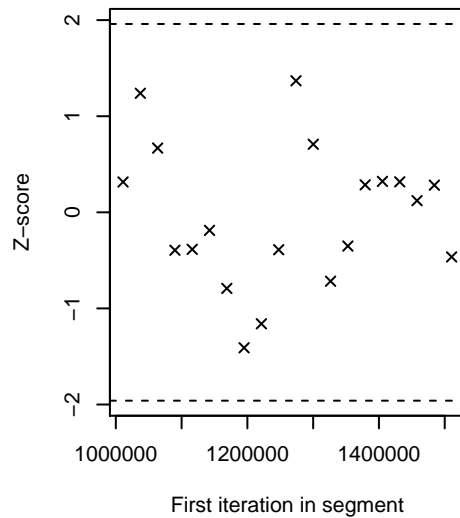
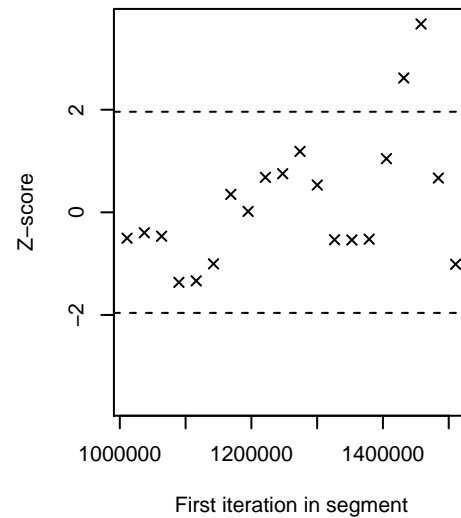
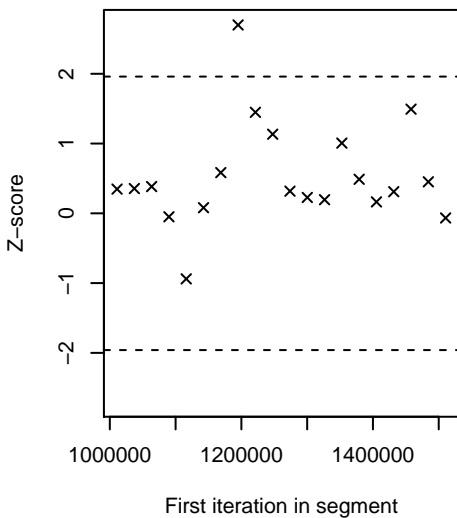
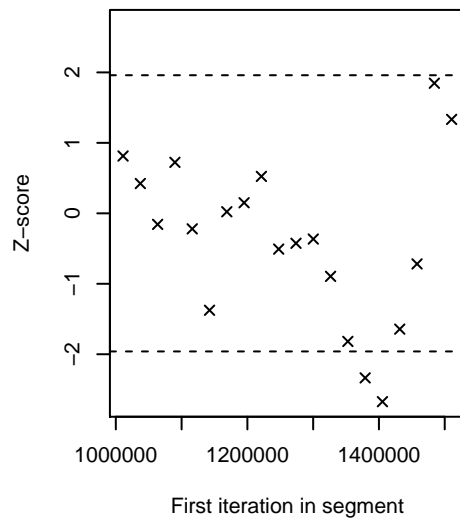
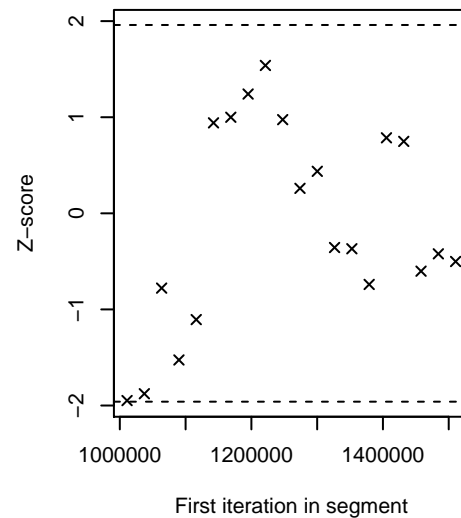
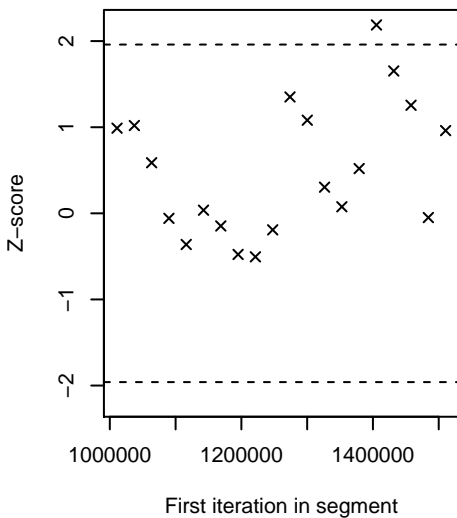
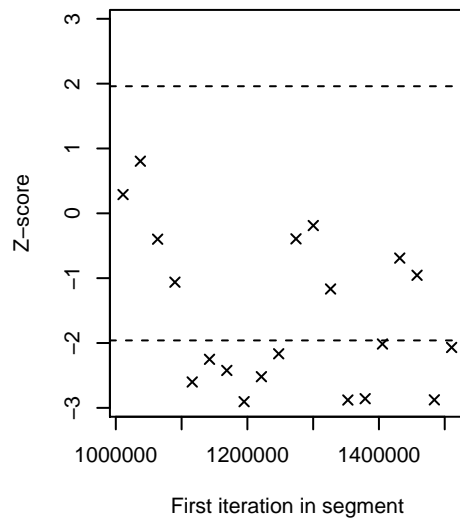
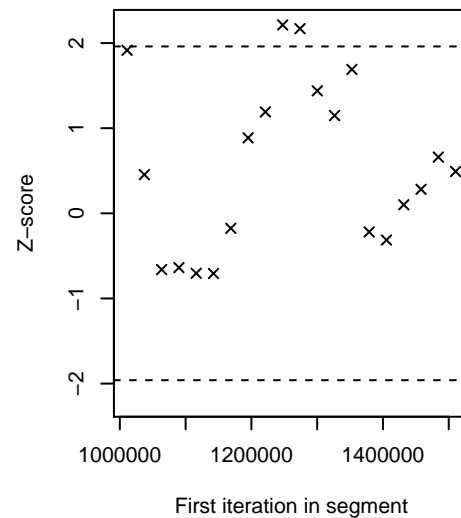
**N[7] (chain1)****N[8] (chain1)****N[9] (chain1)****N[10] (chain1)****N[11] (chain1)****N[12] (chain1)****N[13] (chain1)****N[14] (chain1)****N[15] (chain1)**

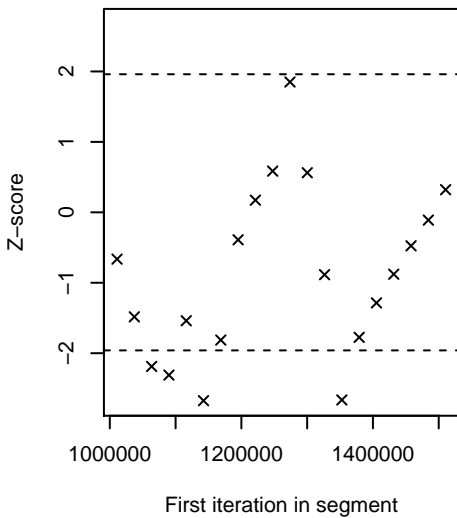
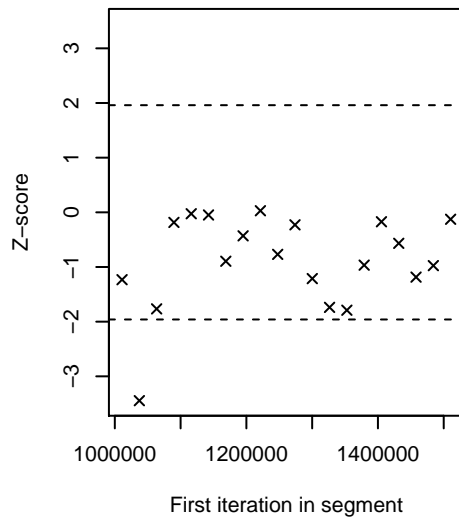
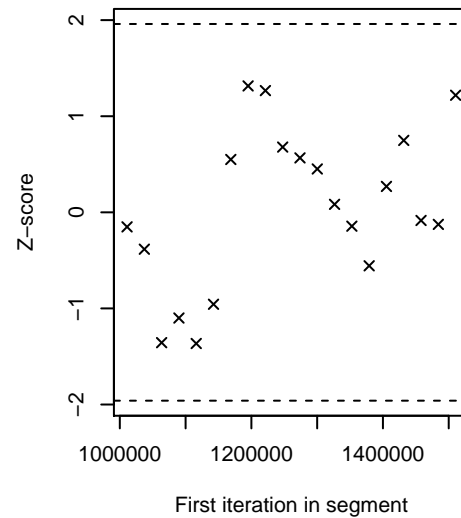
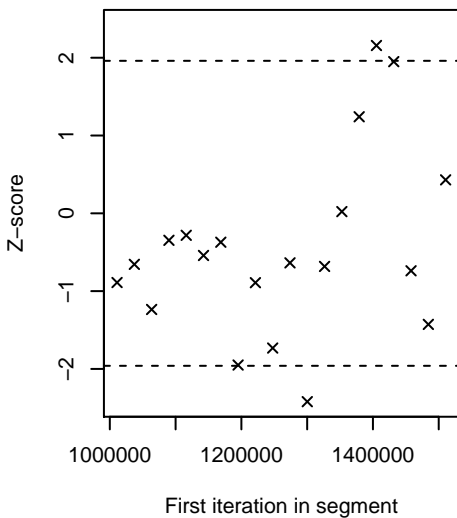
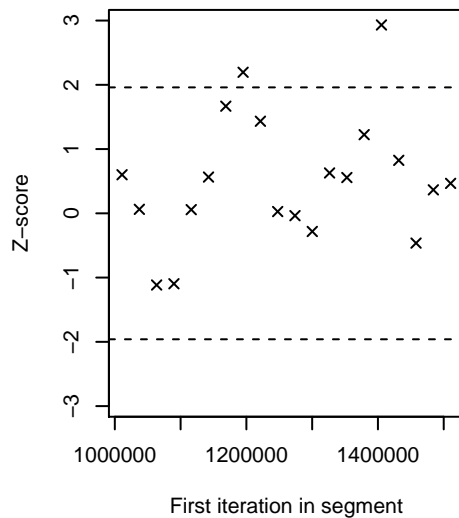
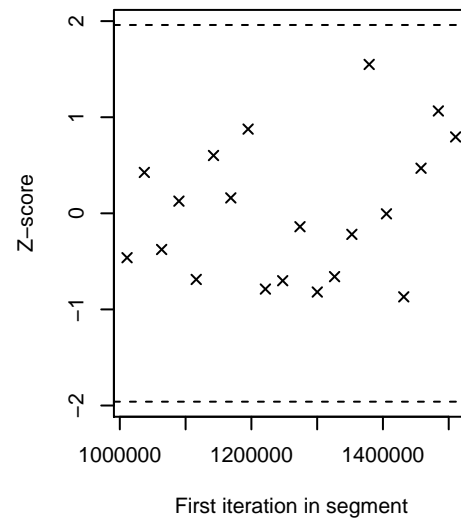
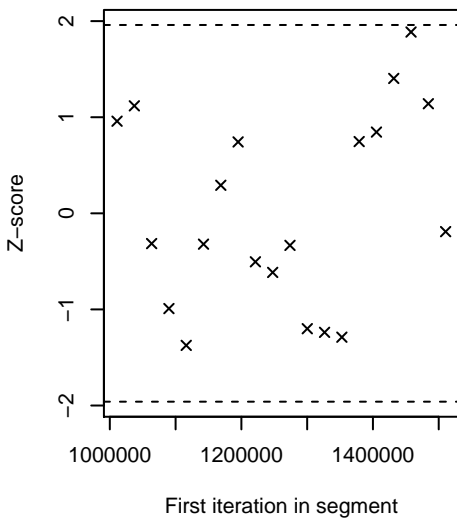
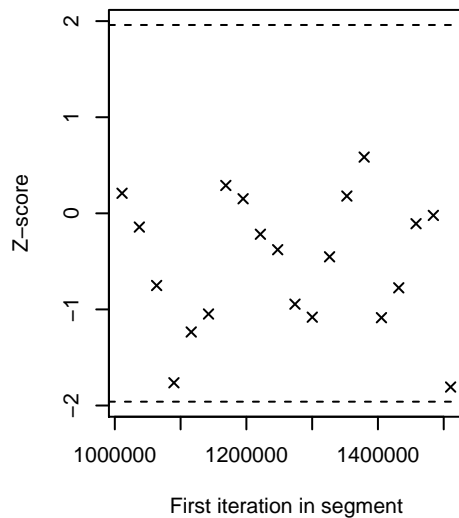
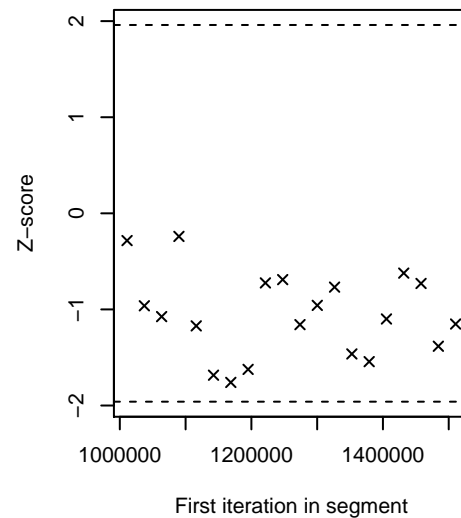
**N[16] (chain1)****N[17] (chain1)****N[18] (chain1)****N[19] (chain1)****N[20] (chain1)****N[21] (chain1)****N[22] (chain1)****N[23] (chain1)****N[24] (chain1)**

**N[25] (chain1)****N[26] (chain1)****N[27] (chain1)****N[28] (chain1)****N[29] (chain1)****N[30] (chain1)****N[31] (chain1)****N[32] (chain1)****N[33] (chain1)**

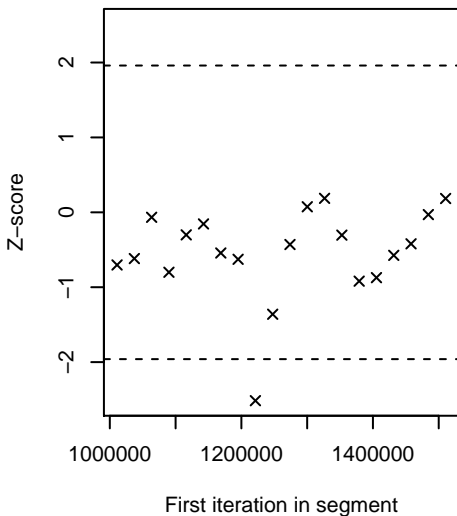


**N[34] (chain1)****N[35] (chain1)****N[36] (chain1)****N[37] (chain1)****N.ya[1,1] (chain1)****N.ya[2,1] (chain1)****N.ya[3,1] (chain1)****N.ya[4,1] (chain1)****N.ya[5,1] (chain1)**

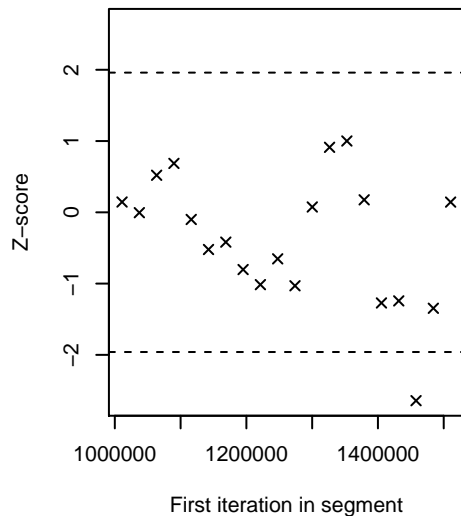
**N.ya[6,1] (chain1)****N.ya[7,1] (chain1)****N.ya[8,1] (chain1)****N.ya[9,1] (chain1)****N.ya[10,1] (chain1)****N.ya[11,1] (chain1)****N.ya[12,1] (chain1)****N.ya[13,1] (chain1)****N.ya[14,1] (chain1)**

**N.ya[15,1] (chain1)****N.ya[16,1] (chain1)****N.ya[17,1] (chain1)****N.ya[18,1] (chain1)****N.ya[19,1] (chain1)****N.ya[20,1] (chain1)****N.ya[21,1] (chain1)****N.ya[22,1] (chain1)****N.ya[23,1] (chain1)**

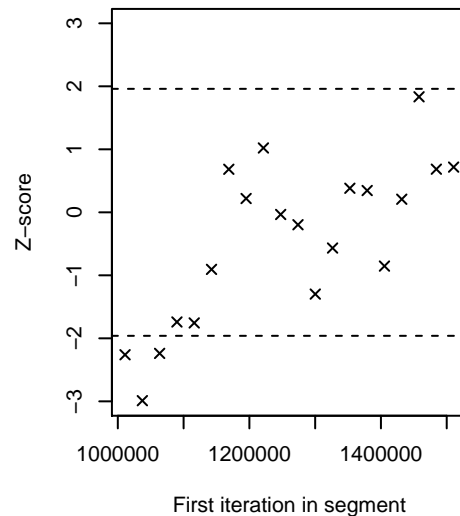
**N.ya[24,1] (chain1)**



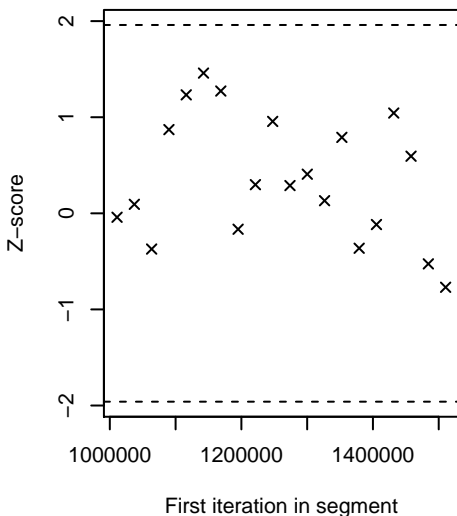
**N.ya[25,1] (chain1)**



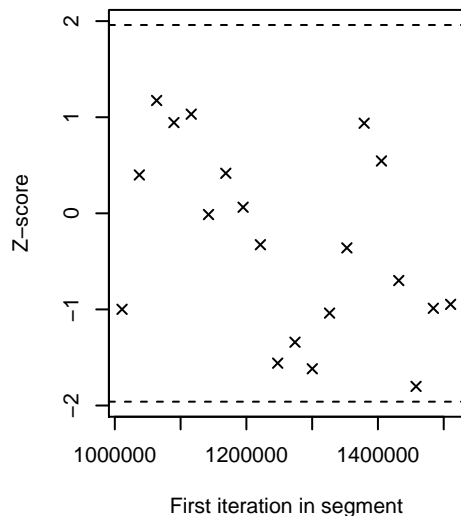
**N.ya[26,1] (chain1)**



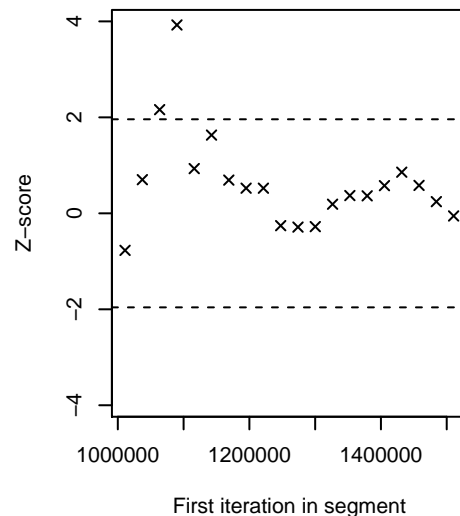
**N.ya[27,1] (chain1)**



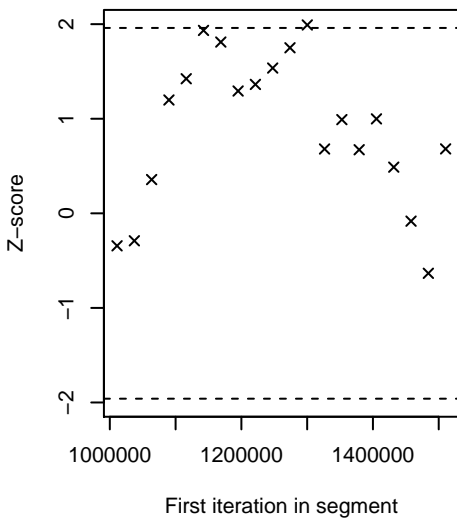
**N.ya[28,1] (chain1)**



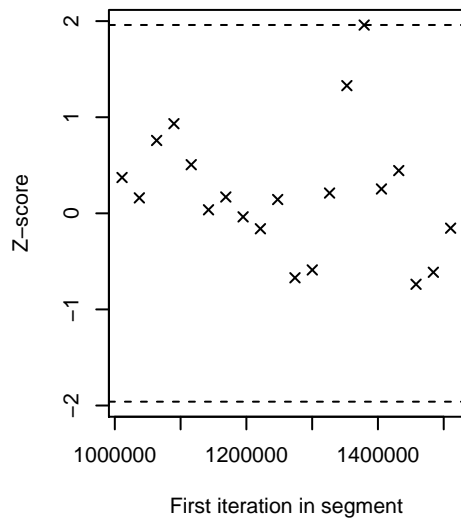
**N.ya[29,1] (chain1)**



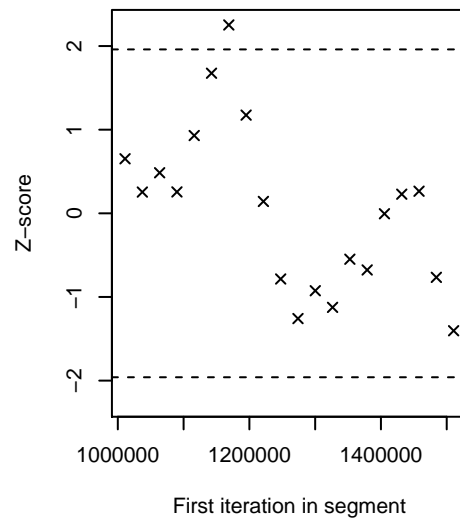
**N.ya[30,1] (chain1)**

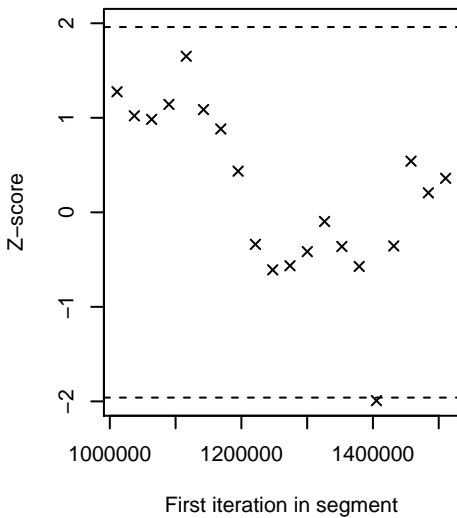
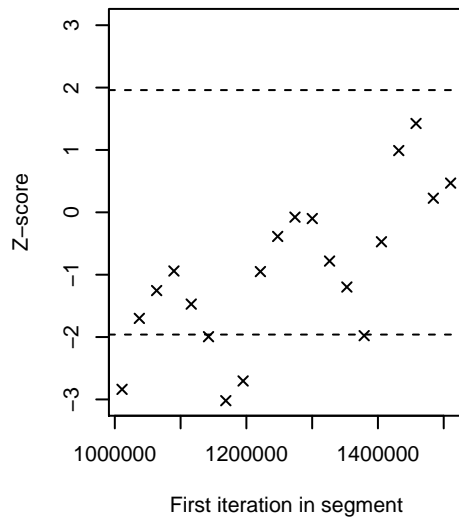
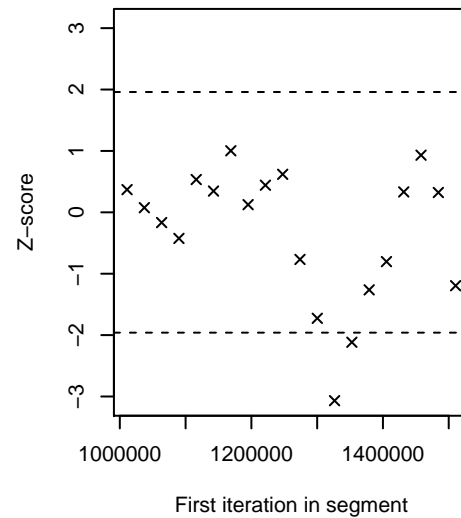
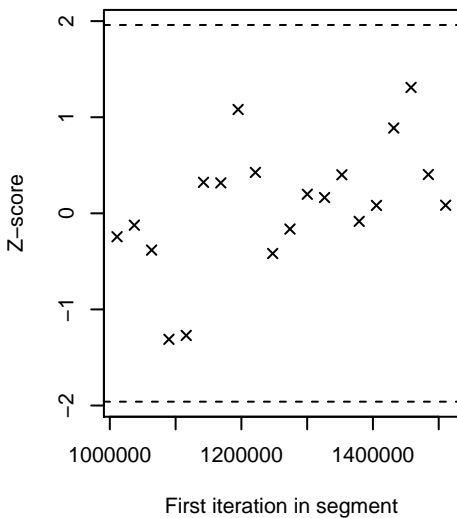
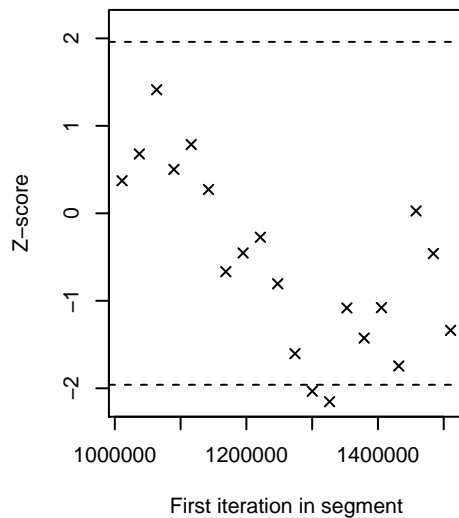
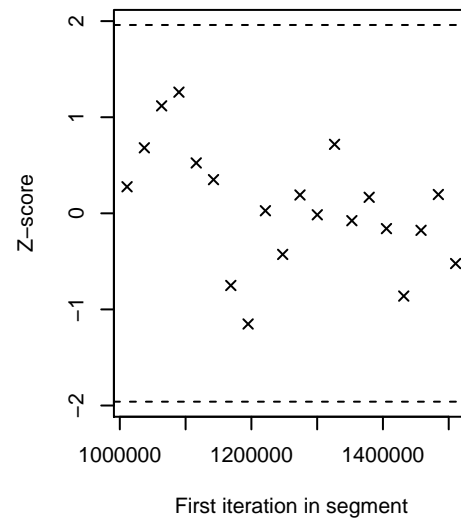
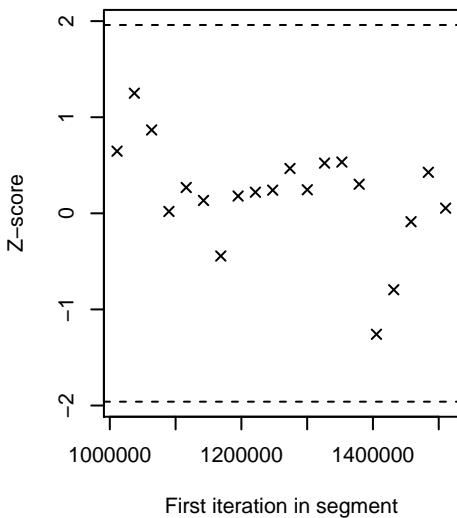
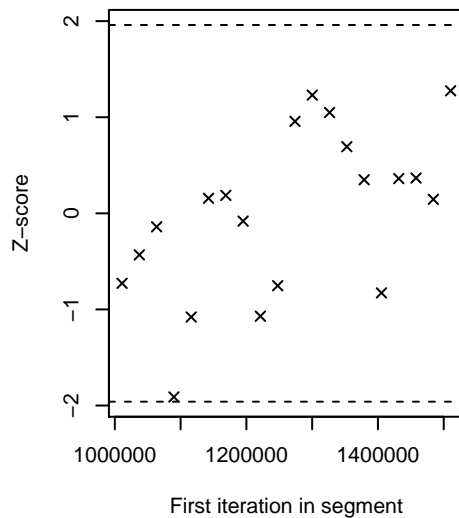
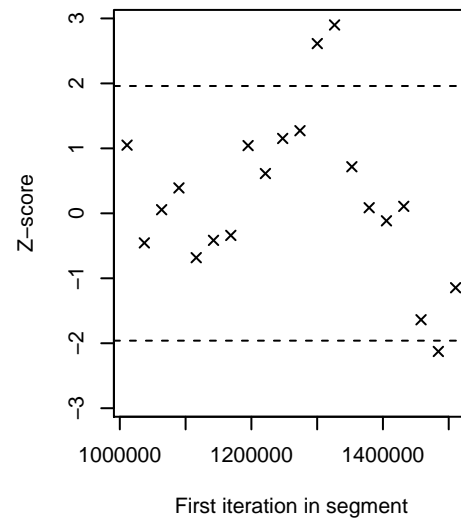


**N.ya[31,1] (chain1)**

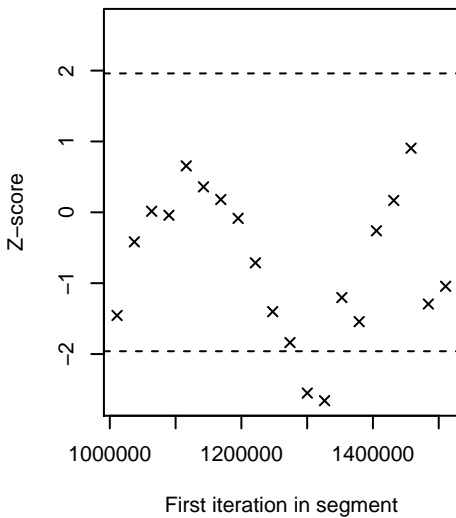


**N.ya[32,1] (chain1)**

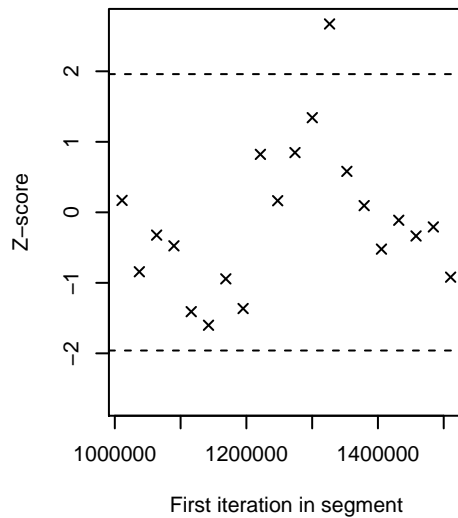


**N.ya[33,1] (chain1)****N.ya[34,1] (chain1)****N.ya[35,1] (chain1)****N.ya[36,1] (chain1)****N.ya[37,1] (chain1)****N.ya[1,2] (chain1)****N.ya[2,2] (chain1)****N.ya[3,2] (chain1)****N.ya[4,2] (chain1)**

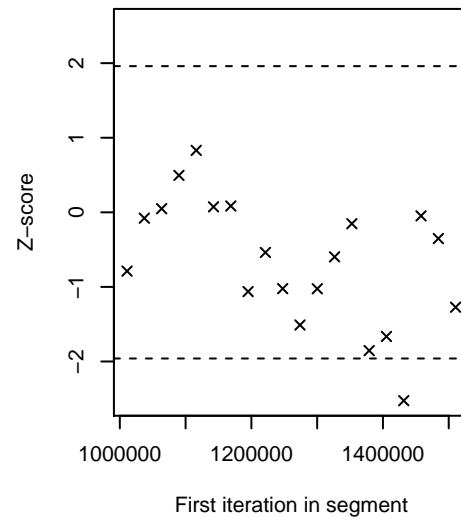
**N.ya[5,2] (chain1)**



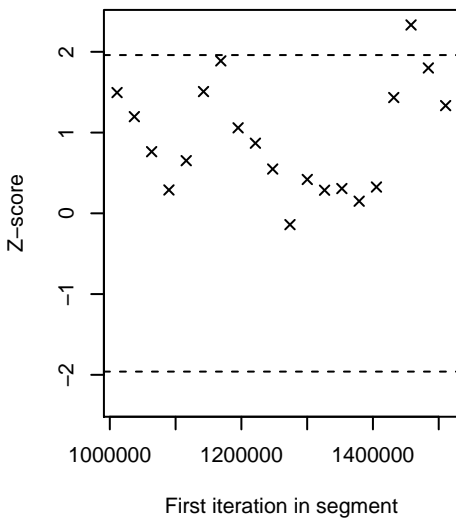
**N.ya[6,2] (chain1)**



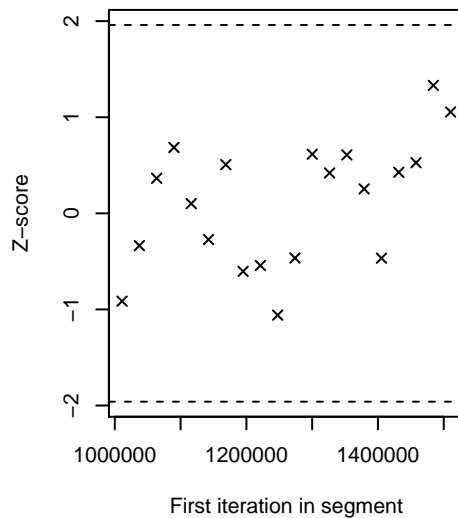
**N.ya[7,2] (chain1)**



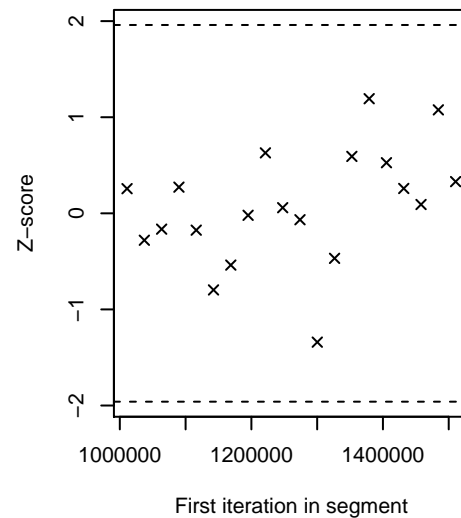
**N.ya[8,2] (chain1)**



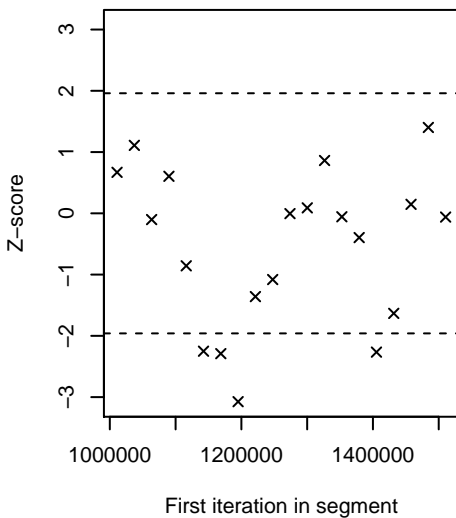
**N.ya[9,2] (chain1)**



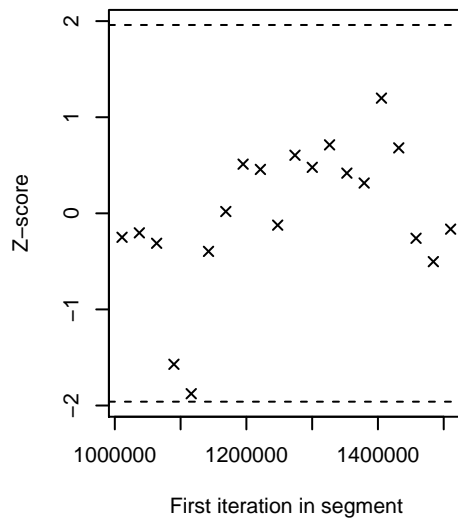
**N.ya[10,2] (chain1)**



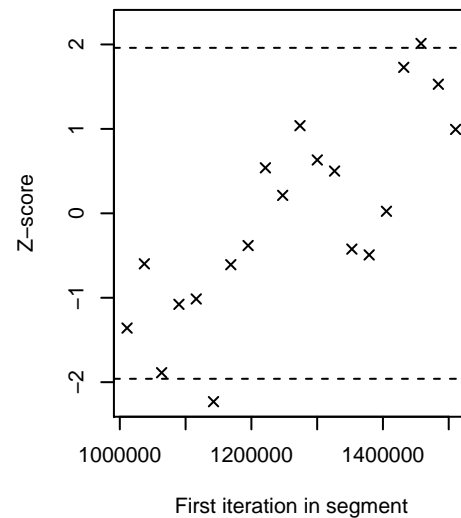
**N.ya[11,2] (chain1)**



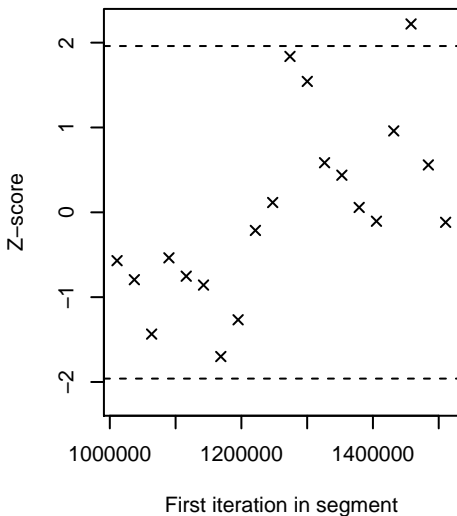
**N.ya[12,2] (chain1)**



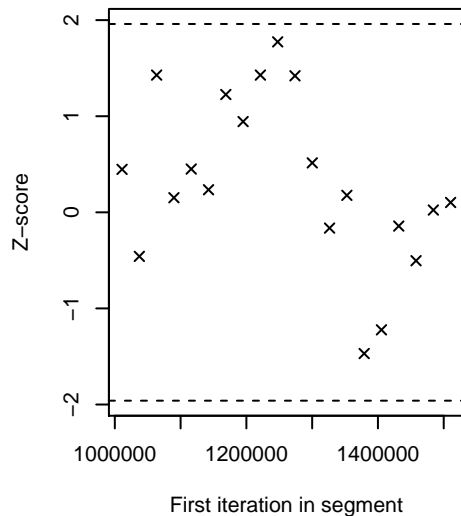
**N.ya[13,2] (chain1)**



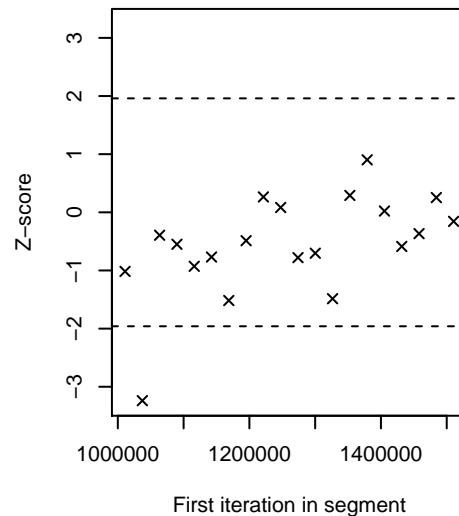
**N.ya[14,2] (chain1)**



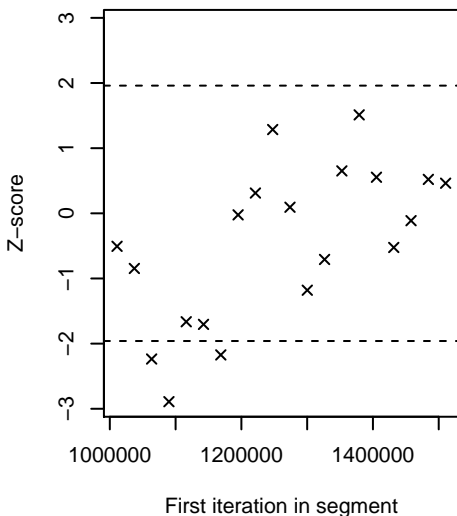
**N.ya[15,2] (chain1)**



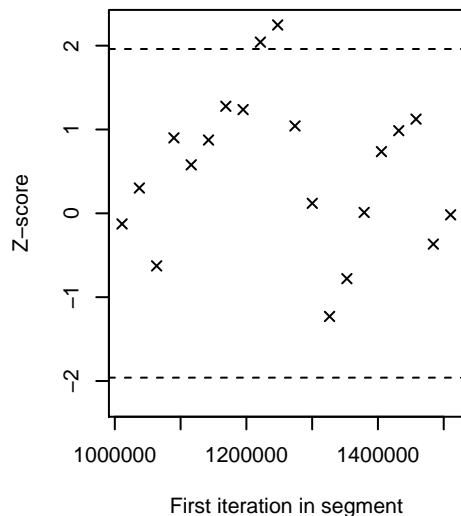
**N.ya[16,2] (chain1)**



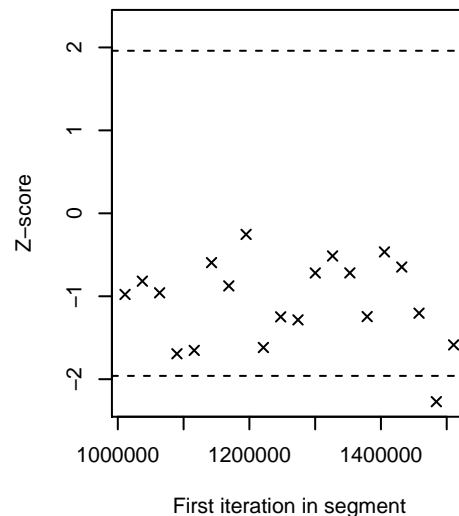
**N.ya[17,2] (chain1)**



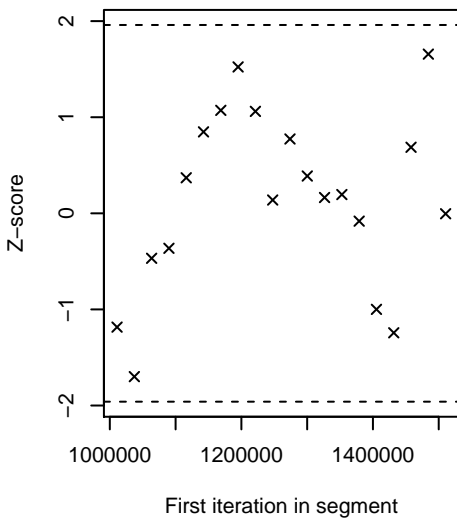
**N.ya[18,2] (chain1)**



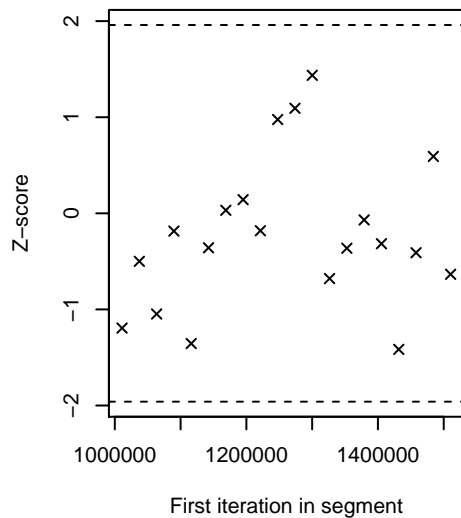
**N.ya[19,2] (chain1)**



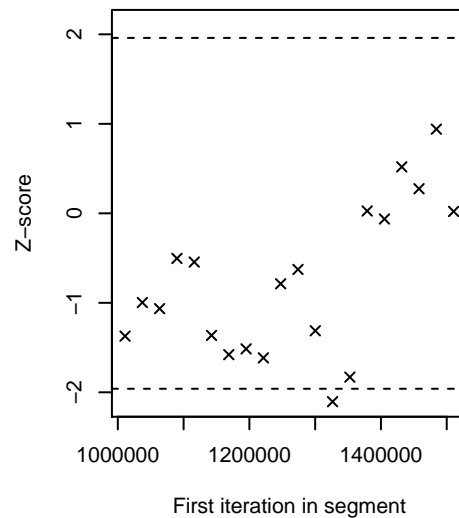
**N.ya[20,2] (chain1)**



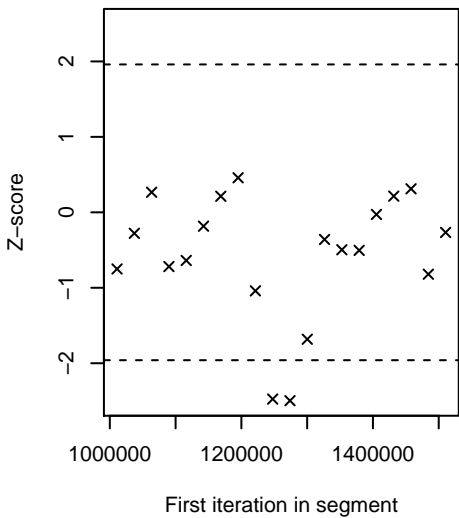
**N.ya[21,2] (chain1)**



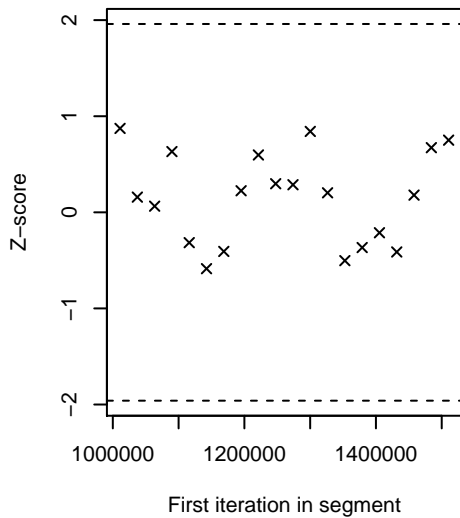
**N.ya[22,2] (chain1)**



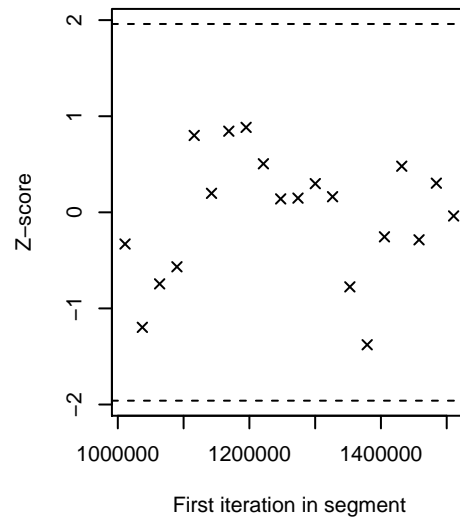
**N.ya[23,2] (chain1)**



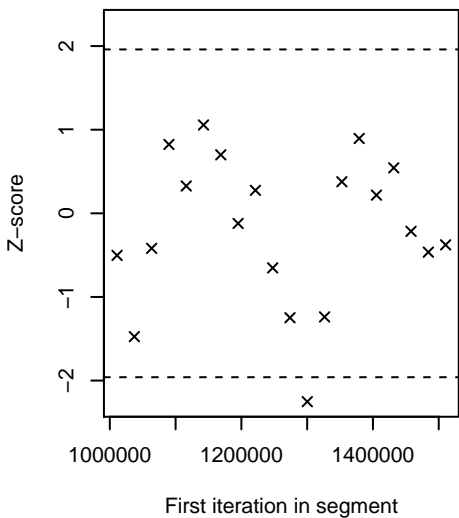
**N.ya[24,2] (chain1)**



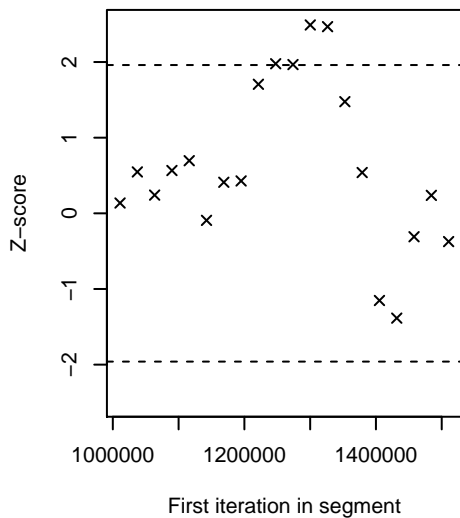
**N.ya[25,2] (chain1)**



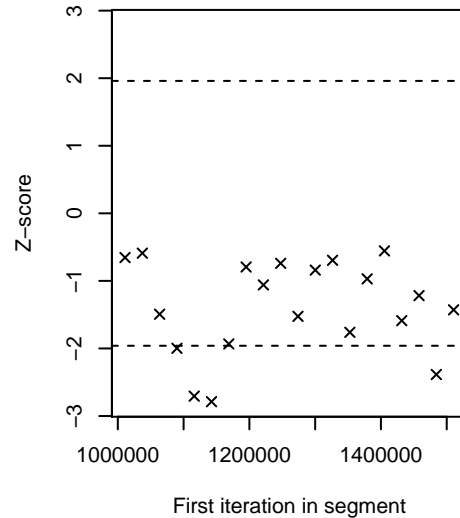
**N.ya[26,2] (chain1)**



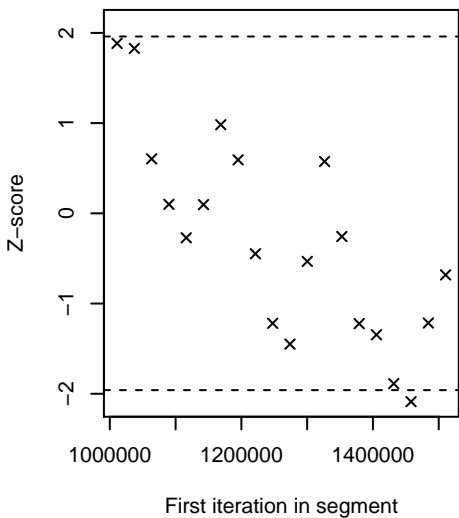
**N.ya[27,2] (chain1)**



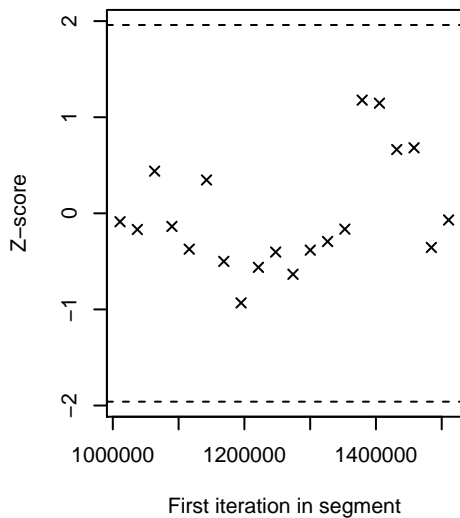
**N.ya[28,2] (chain1)**



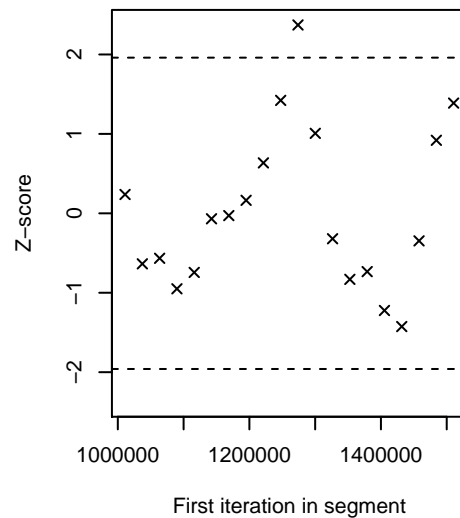
**N.ya[29,2] (chain1)**



**N.ya[30,2] (chain1)**

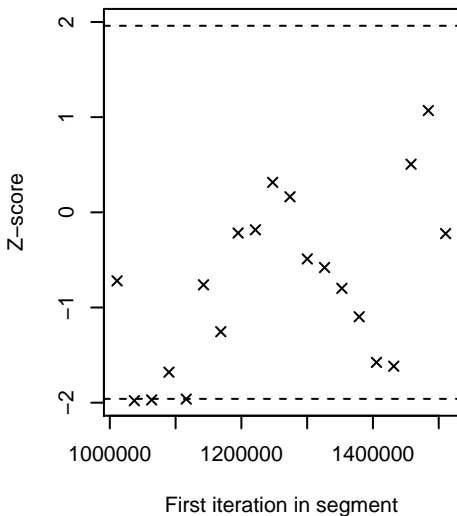


**N.ya[31,2] (chain1)**

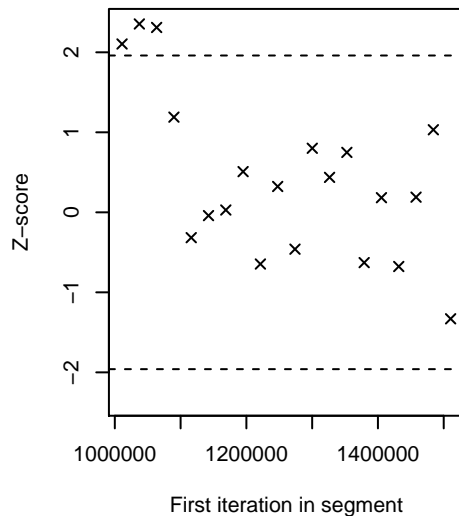




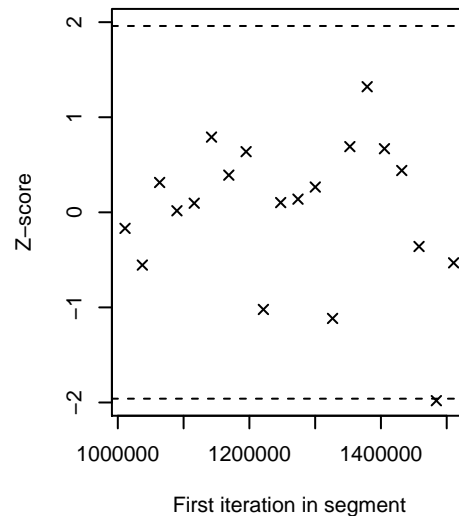
**N.ya[32,2] (chain1)**



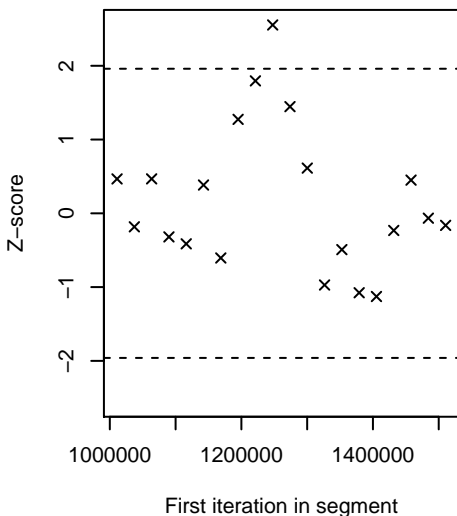
**N.ya[33,2] (chain1)**



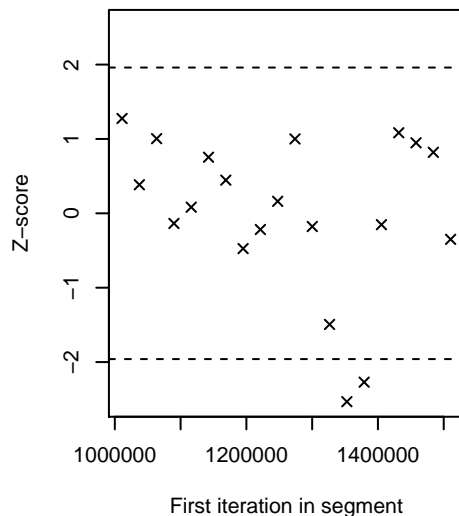
**N.ya[34,2] (chain1)**



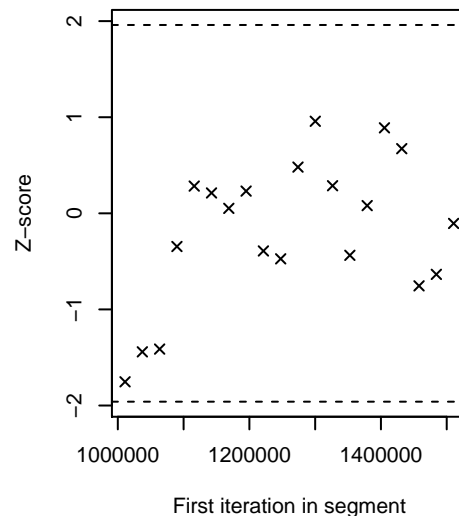
**N.ya[35,2] (chain1)**



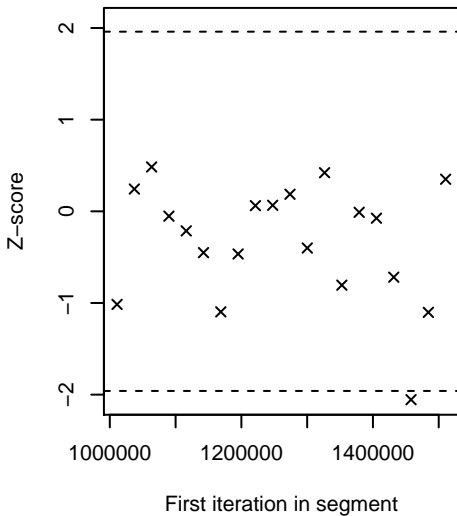
**N.ya[36,2] (chain1)**



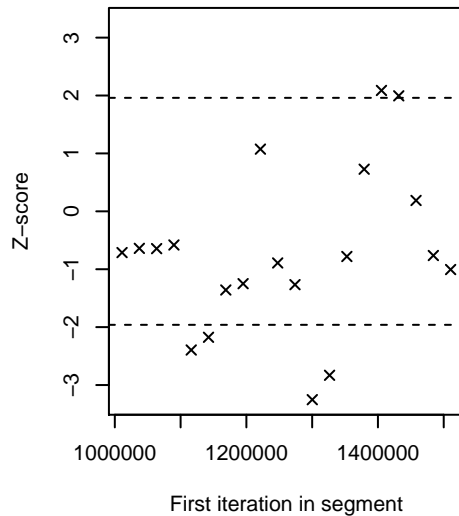
**N.ya[37,2] (chain1)**



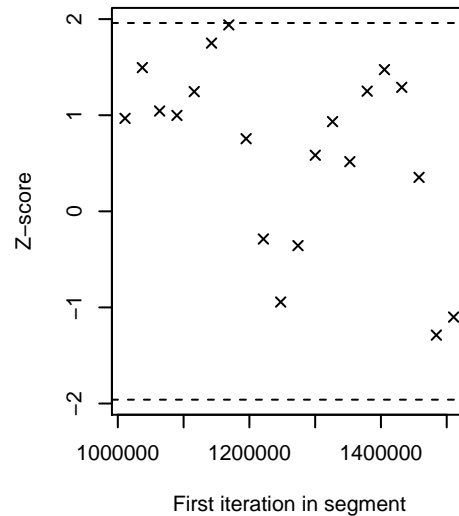
**N.ya[1,3] (chain1)**

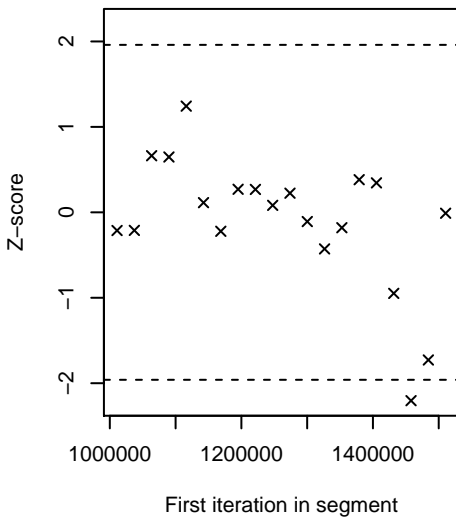
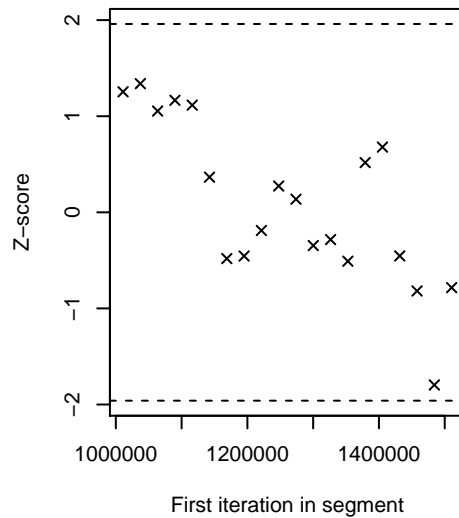
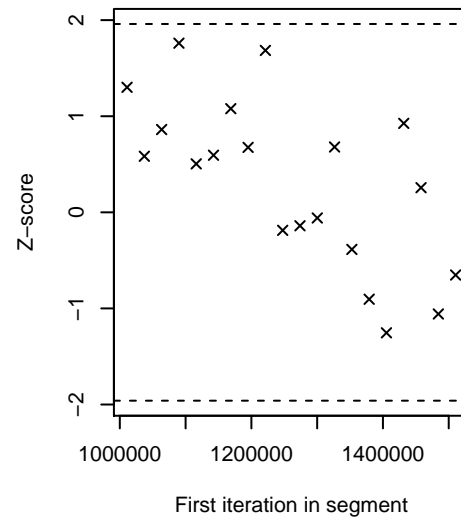
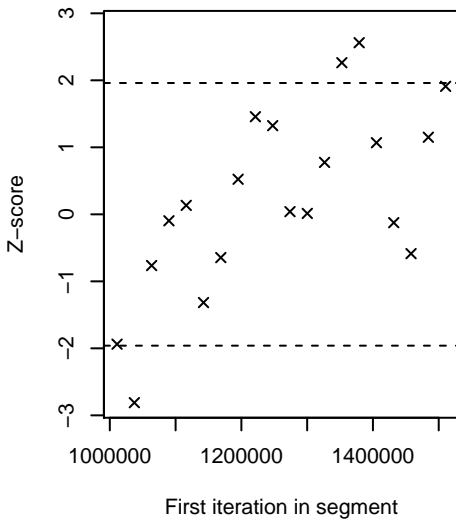
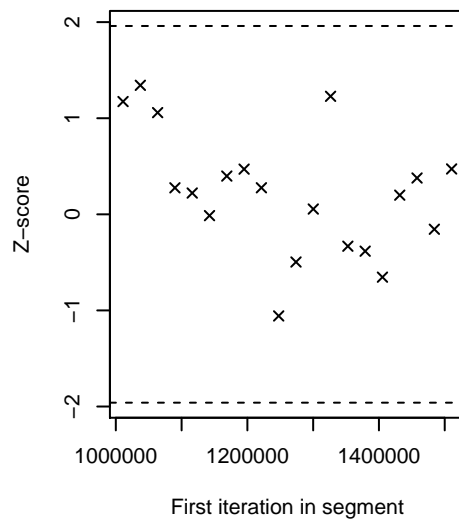
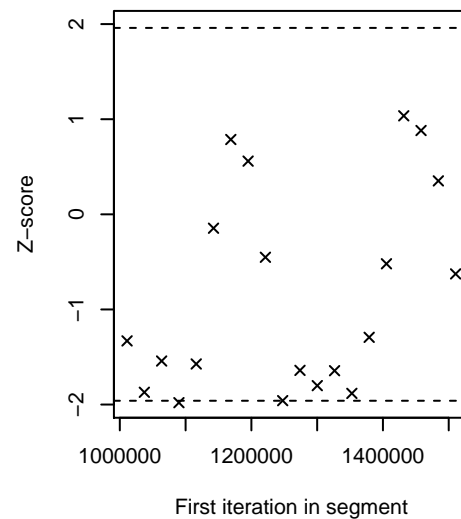
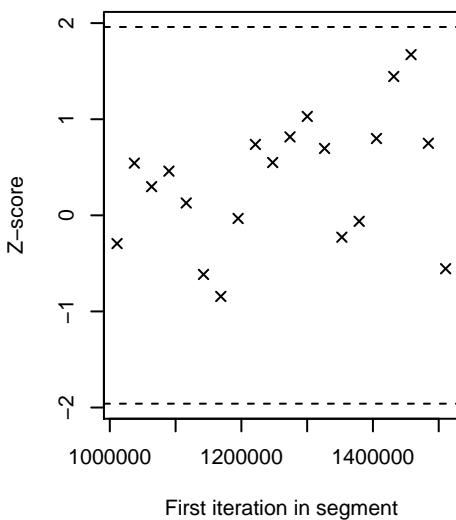
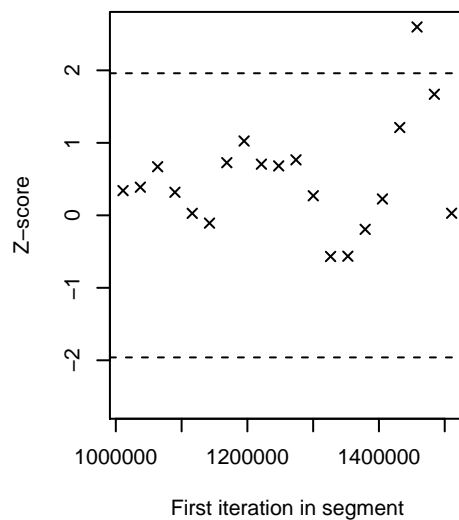
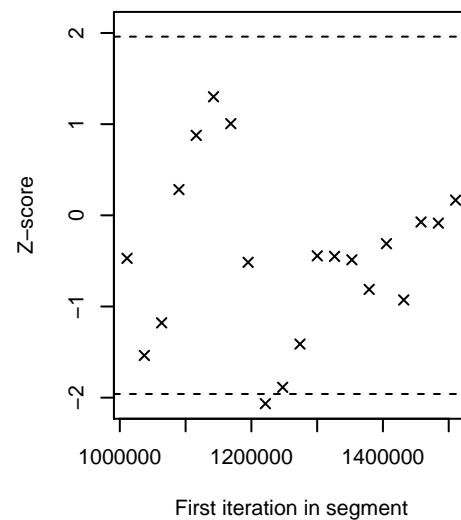


**N.ya[2,3] (chain1)**

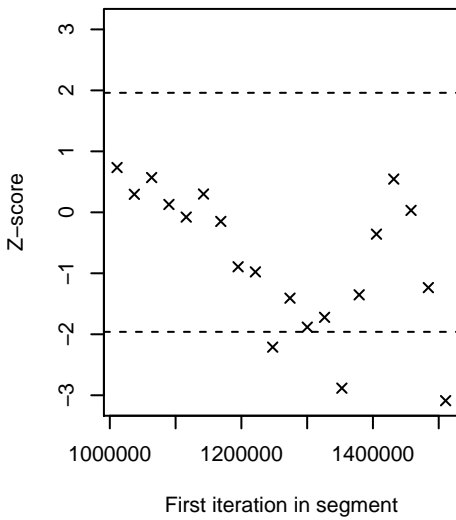


**N.ya[3,3] (chain1)**

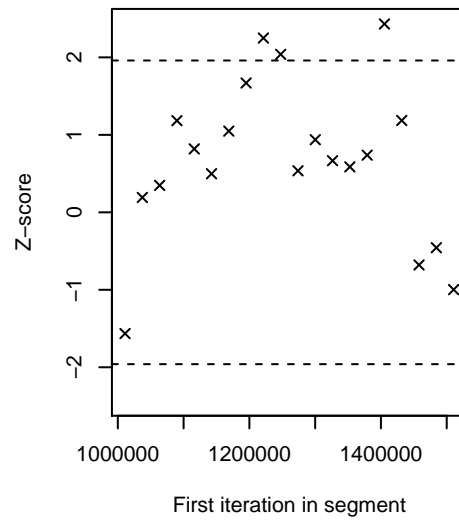


**N.ya[4,3] (chain1)****N.ya[5,3] (chain1)****N.ya[6,3] (chain1)****N.ya[7,3] (chain1)****N.ya[8,3] (chain1)****N.ya[9,3] (chain1)****N.ya[10,3] (chain1)****N.ya[11,3] (chain1)****N.ya[12,3] (chain1)**

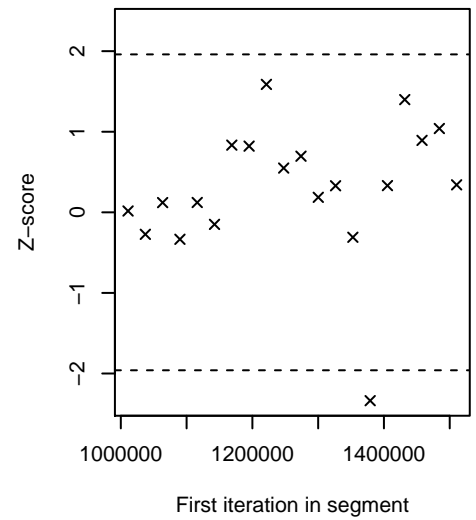
**N.ya[13,3] (chain1)**



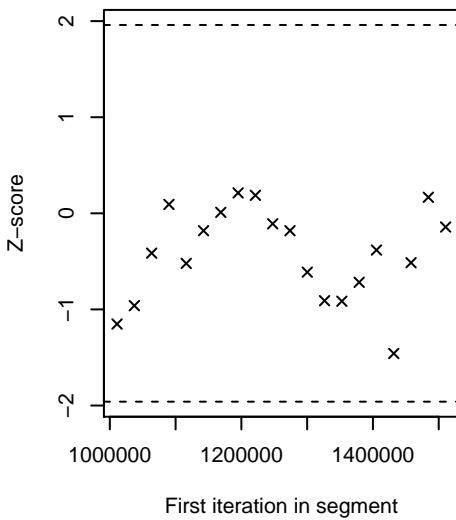
**N.ya[14,3] (chain1)**



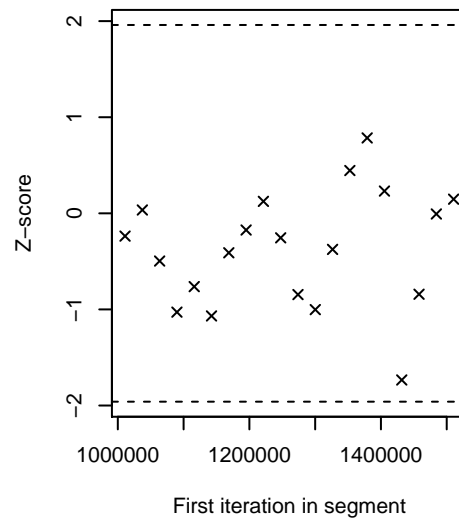
**N.ya[15,3] (chain1)**



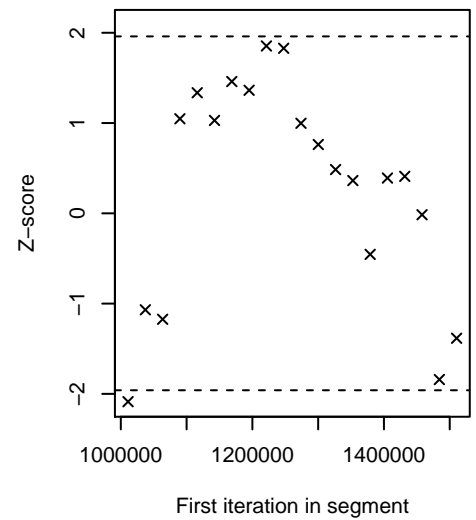
**N.ya[16,3] (chain1)**



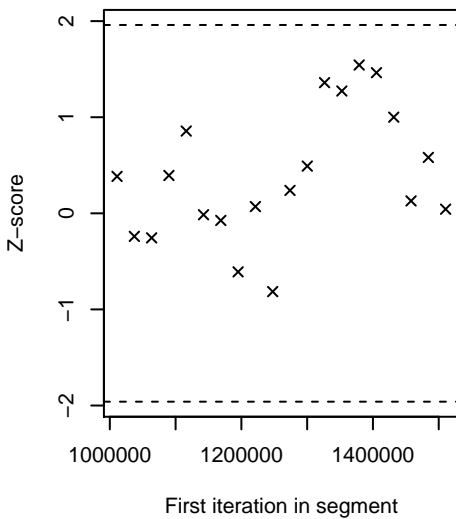
**N.ya[17,3] (chain1)**



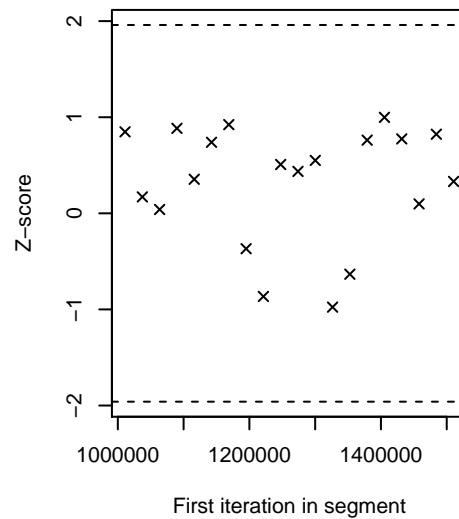
**N.ya[18,3] (chain1)**



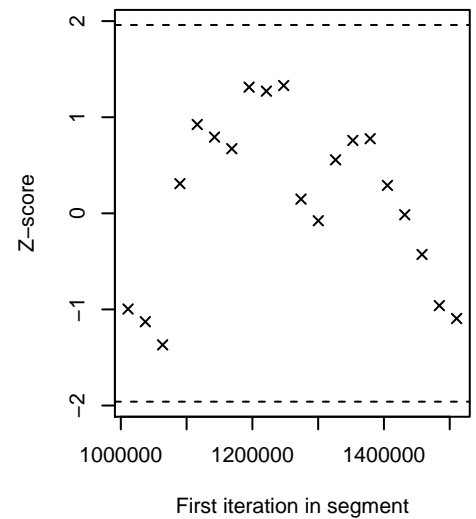
**N.ya[19,3] (chain1)**

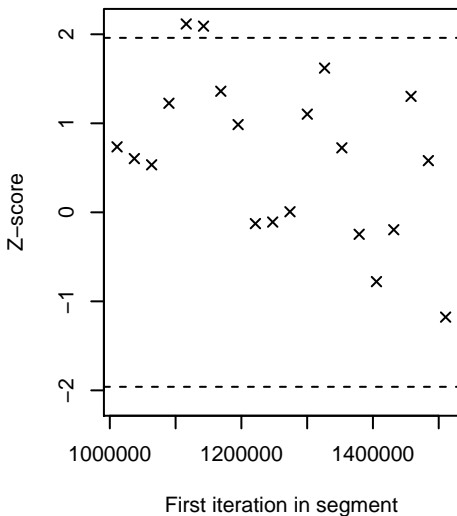
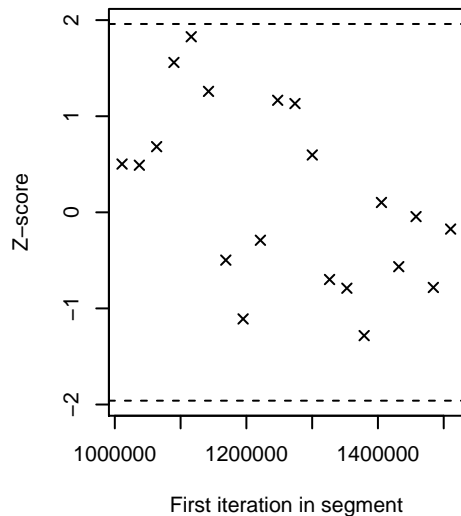
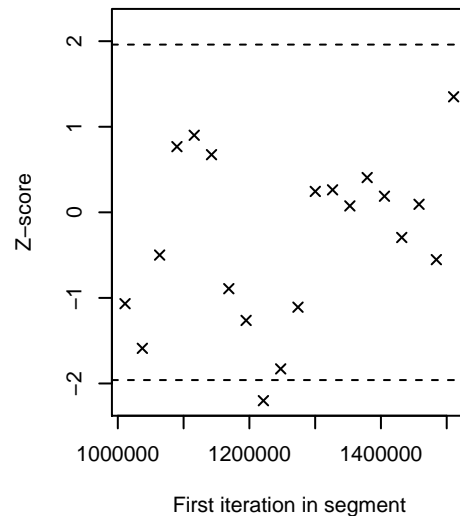
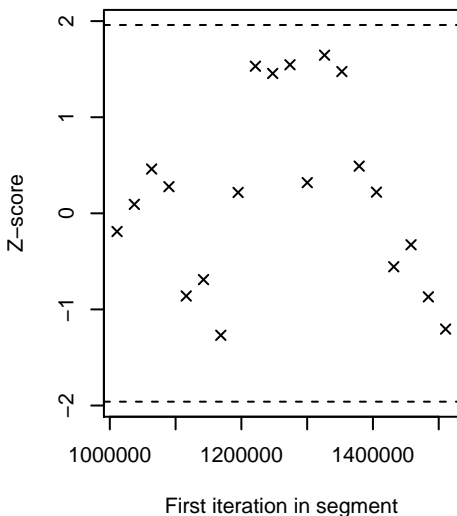
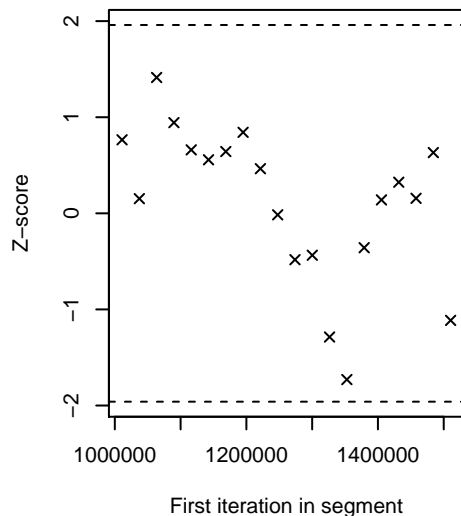
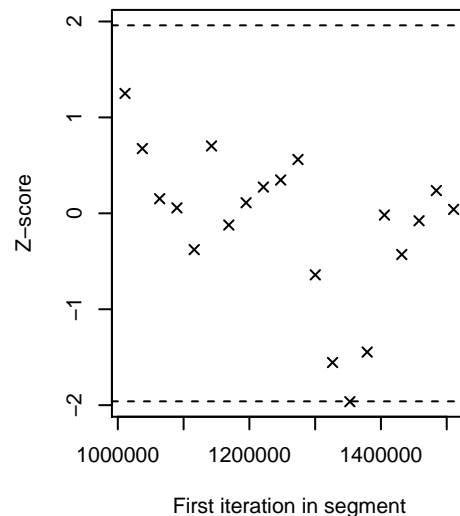
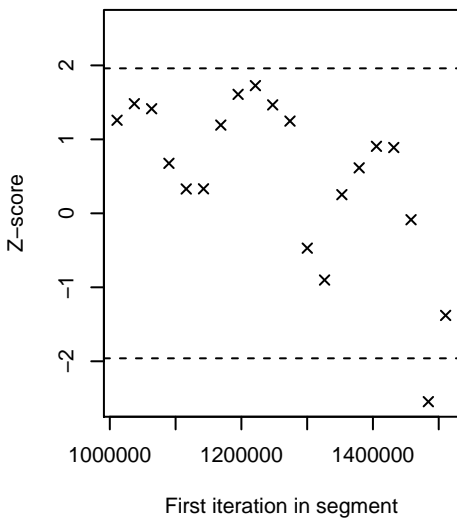
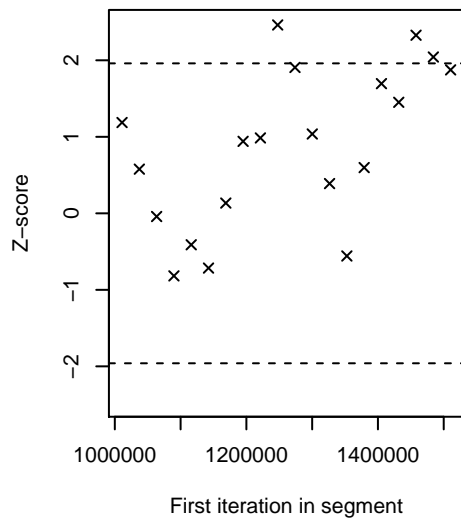
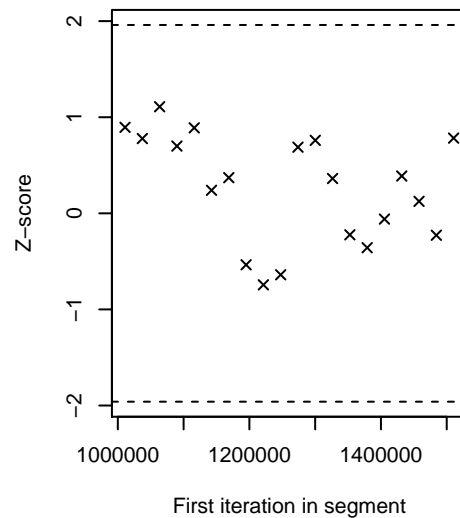


**N.ya[20,3] (chain1)**

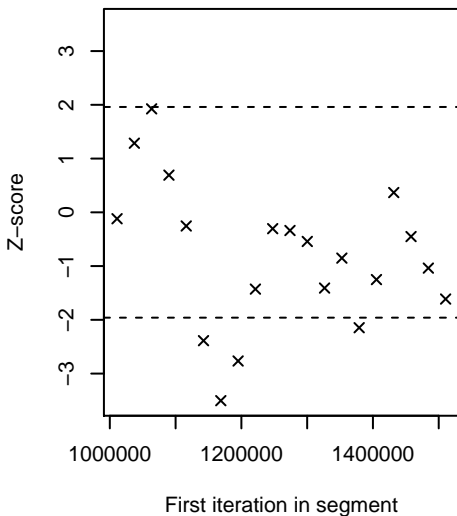


**N.ya[21,3] (chain1)**

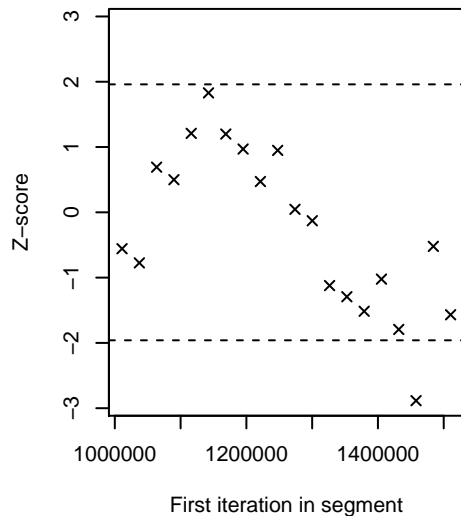


**N.ya[22,3] (chain1)****N.ya[23,3] (chain1)****N.ya[24,3] (chain1)****N.ya[25,3] (chain1)****N.ya[26,3] (chain1)****N.ya[27,3] (chain1)****N.ya[28,3] (chain1)****N.ya[29,3] (chain1)****N.ya[30,3] (chain1)**

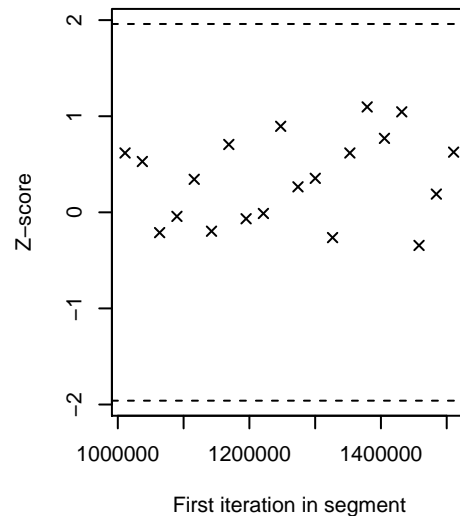
**N.ya[31,3] (chain1)**



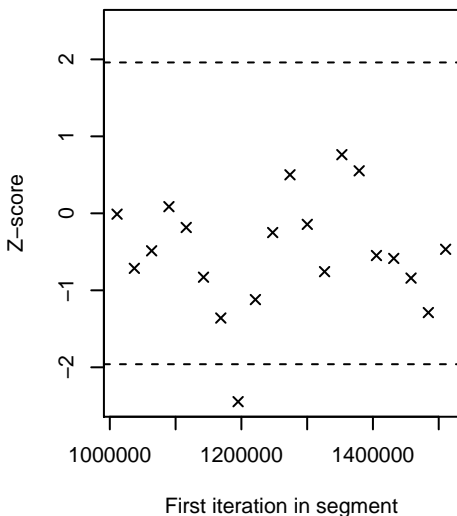
**N.ya[32,3] (chain1)**



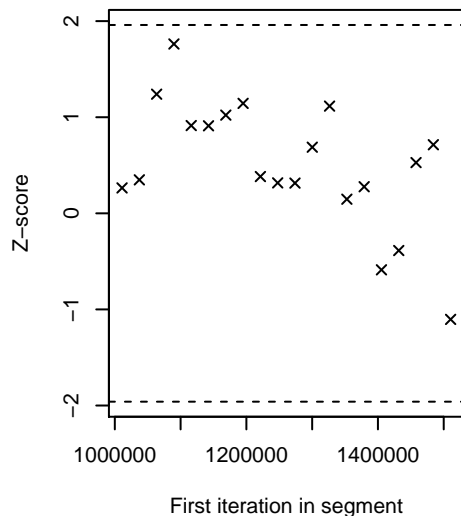
**N.ya[33,3] (chain1)**



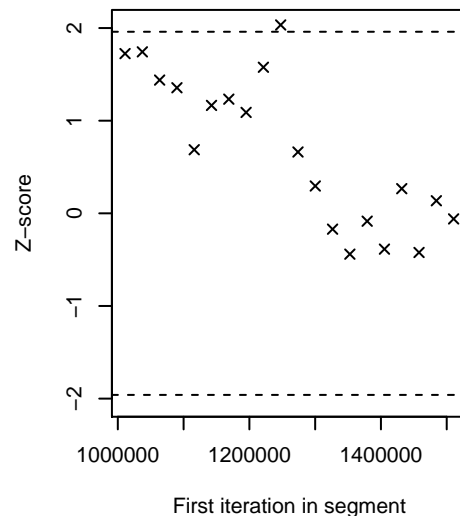
**N.ya[34,3] (chain1)**



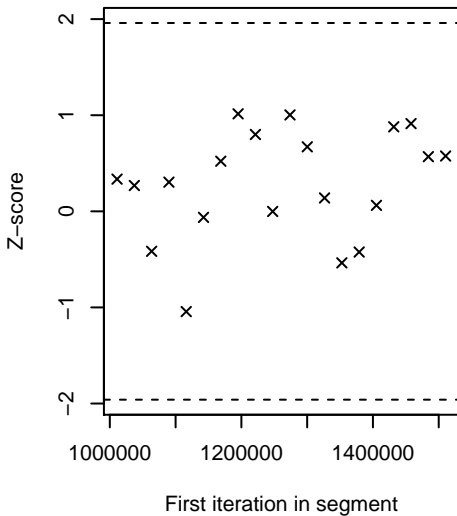
**N.ya[35,3] (chain1)**



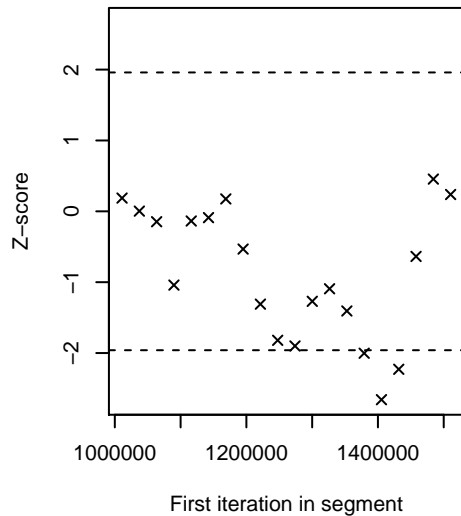
**N.ya[36,3] (chain1)**



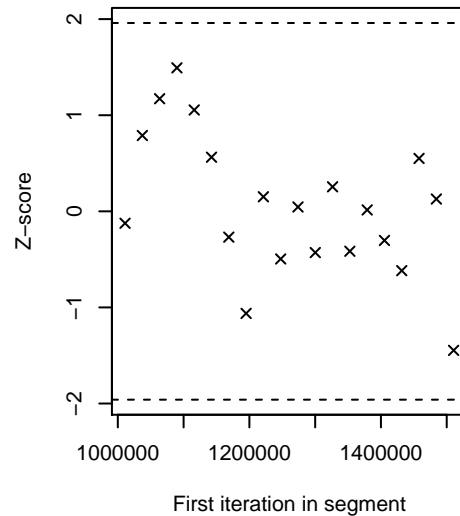
**N.ya[37,3] (chain1)**

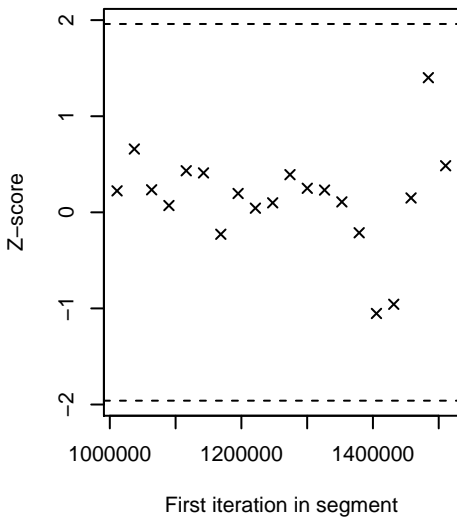
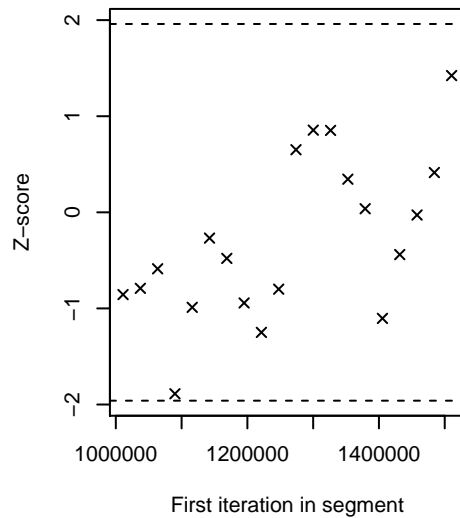
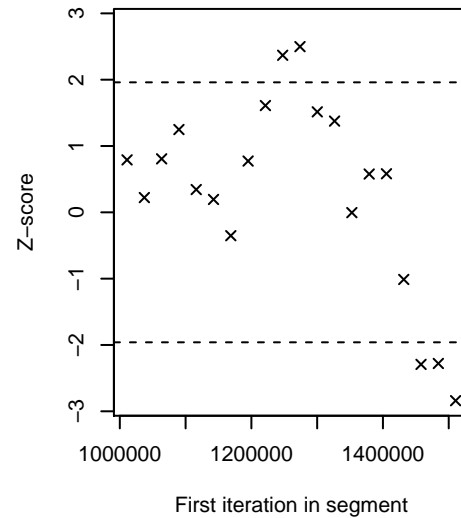
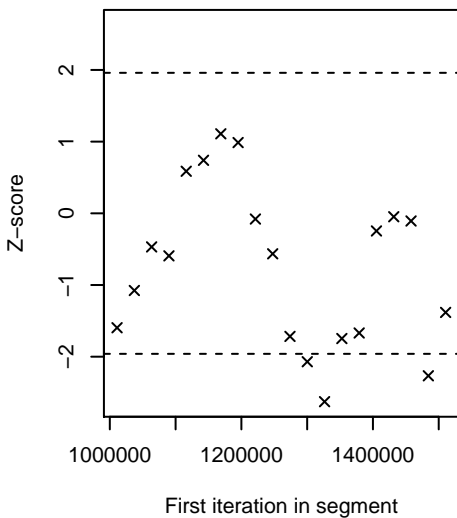
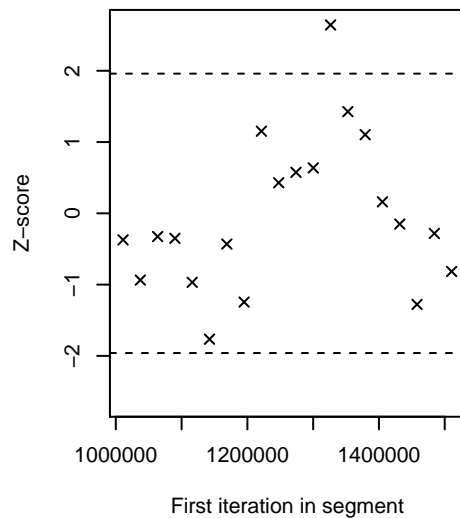
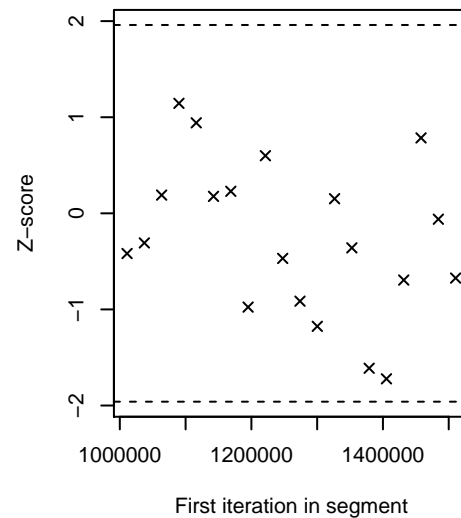
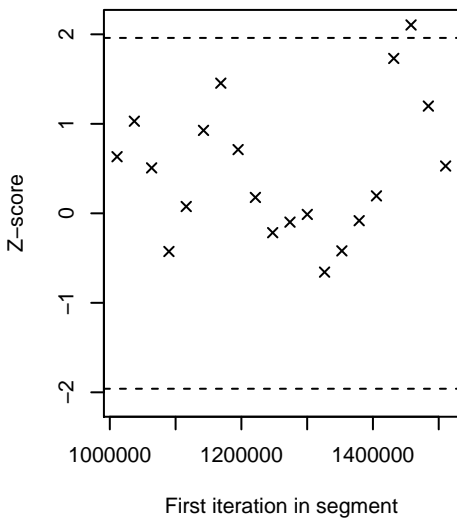
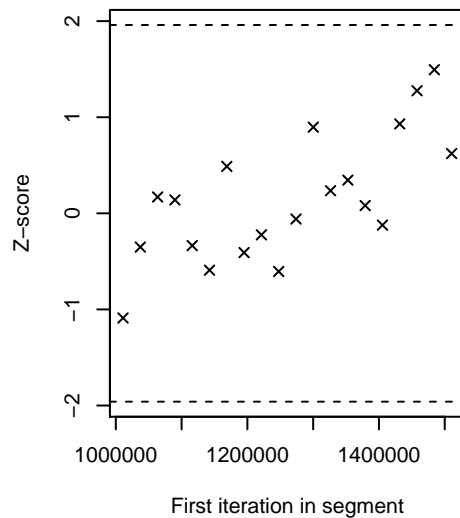
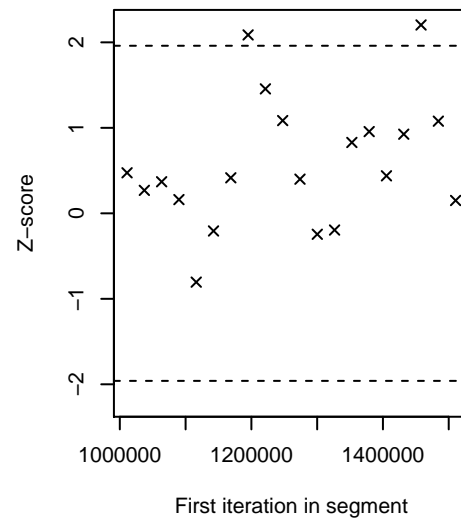


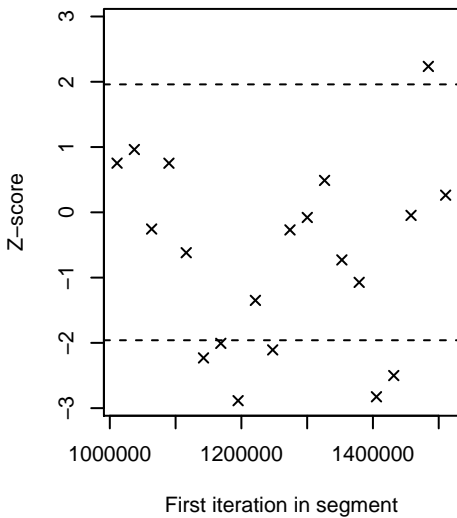
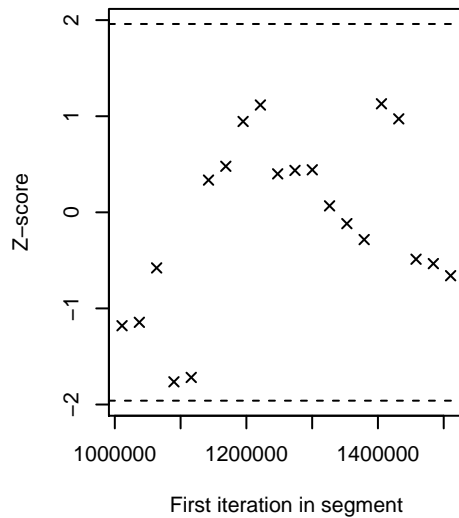
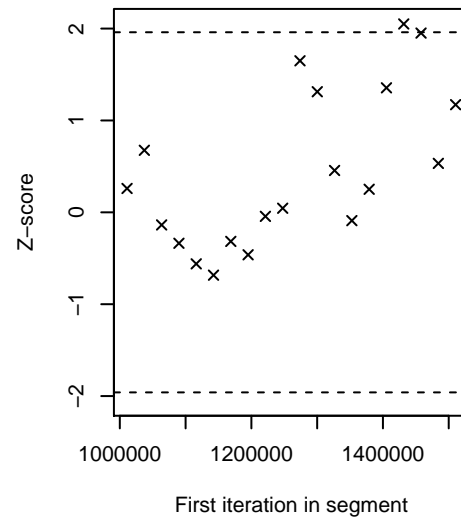
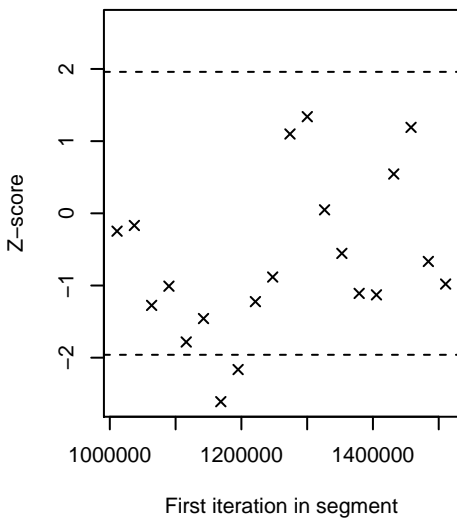
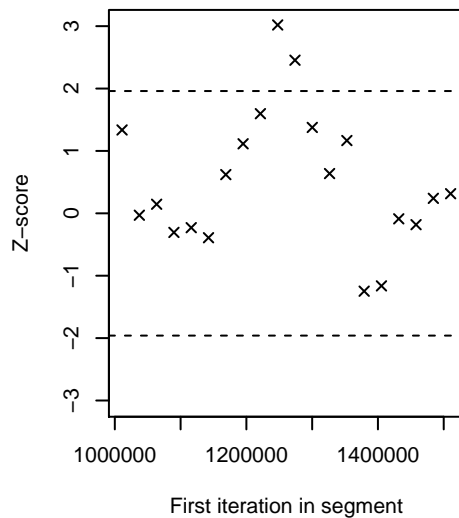
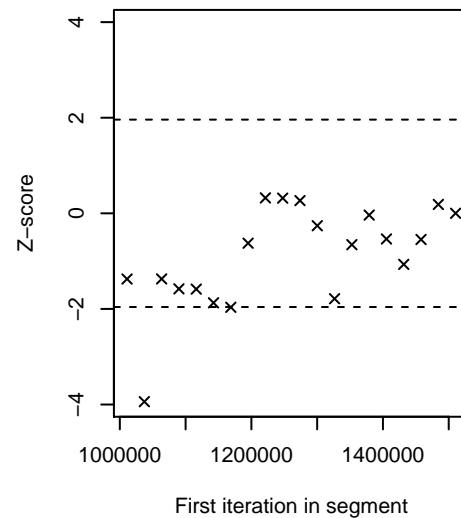
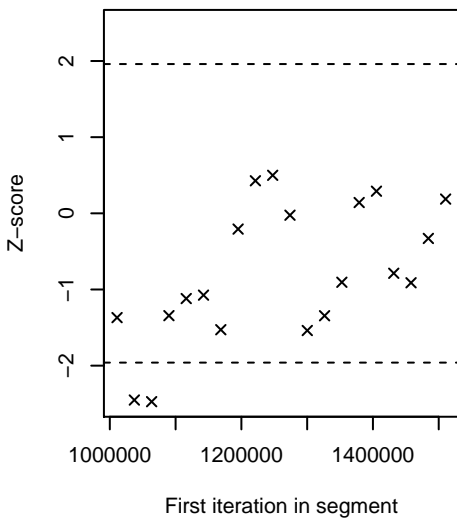
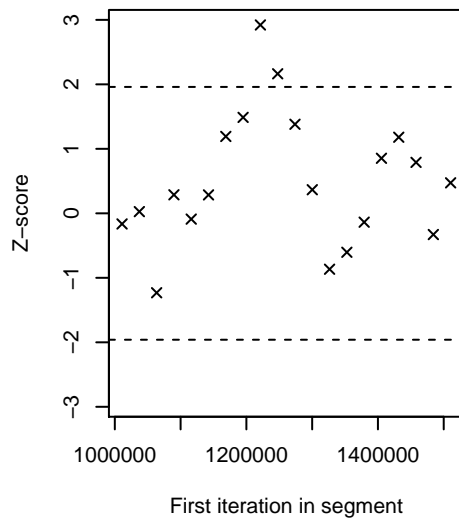
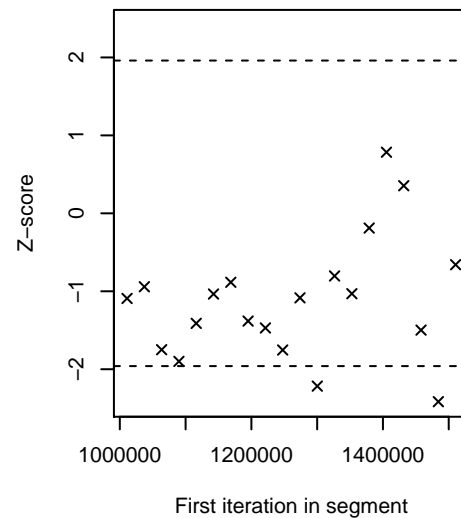
**R[1] (chain1)**

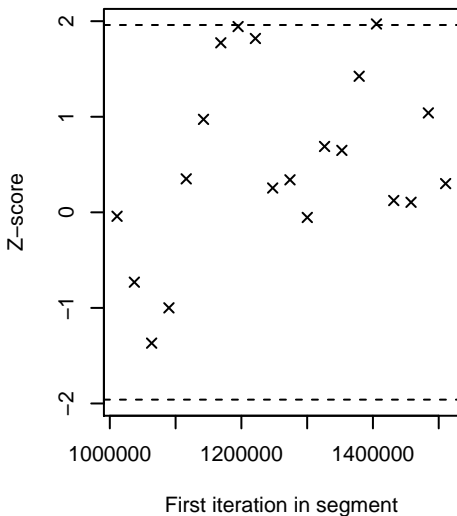
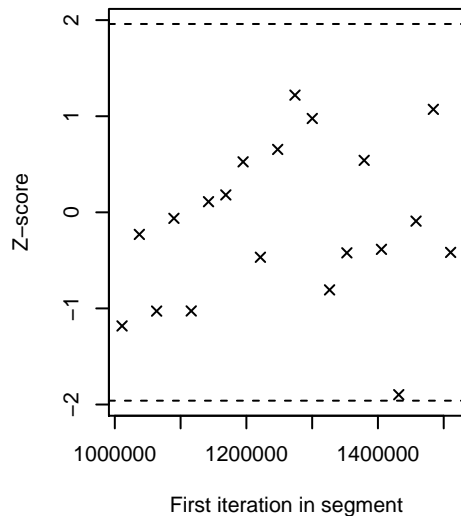
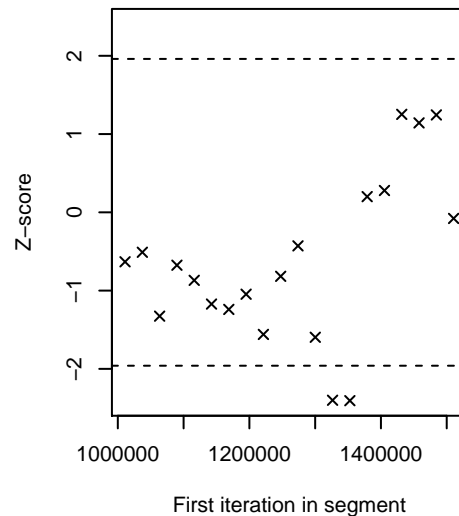
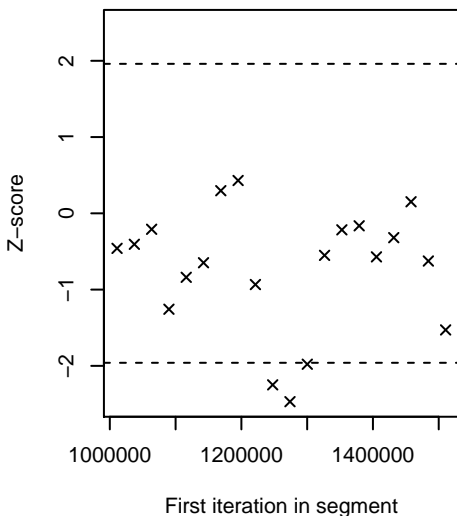
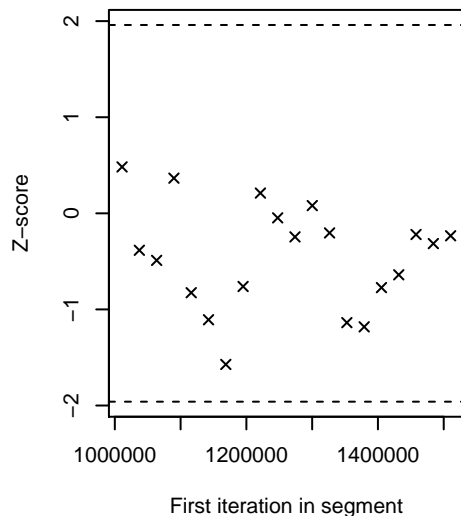
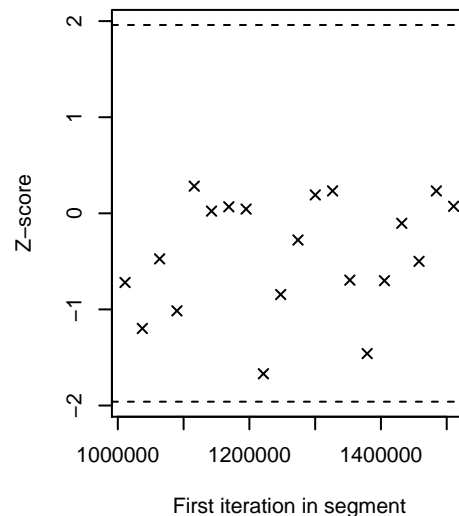
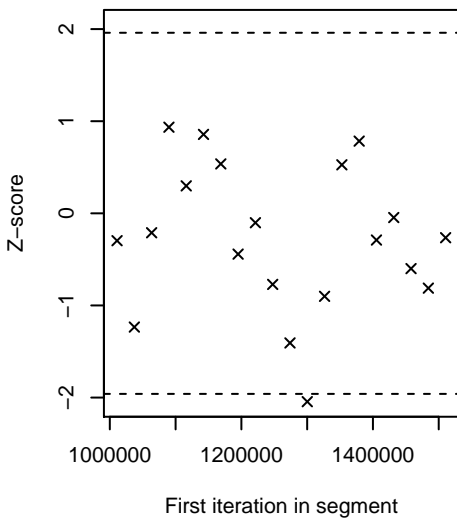
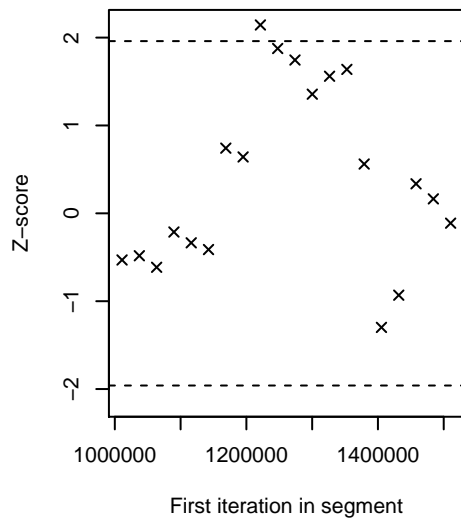
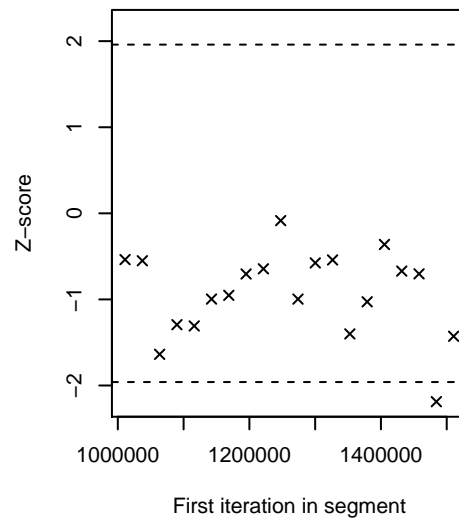


**R[2] (chain1)**

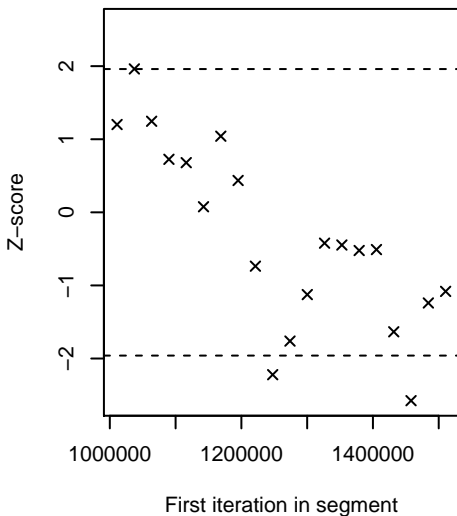
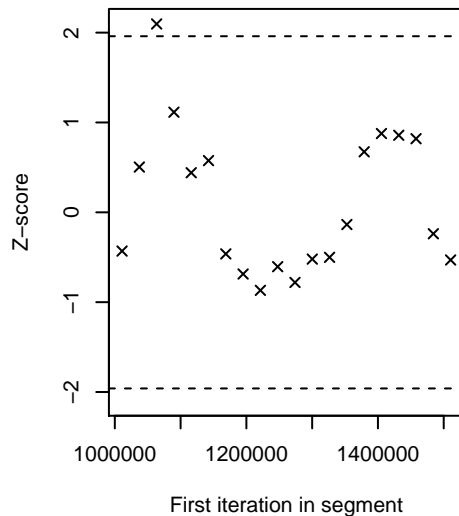
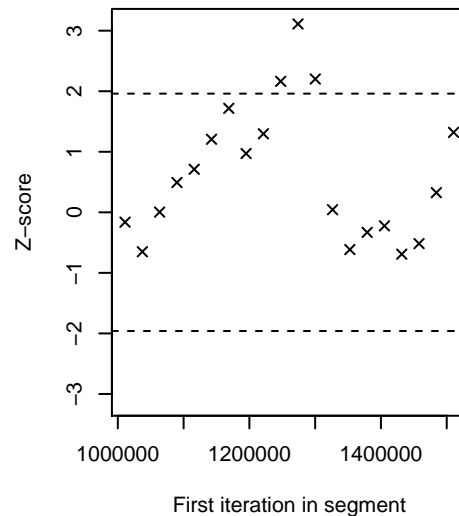
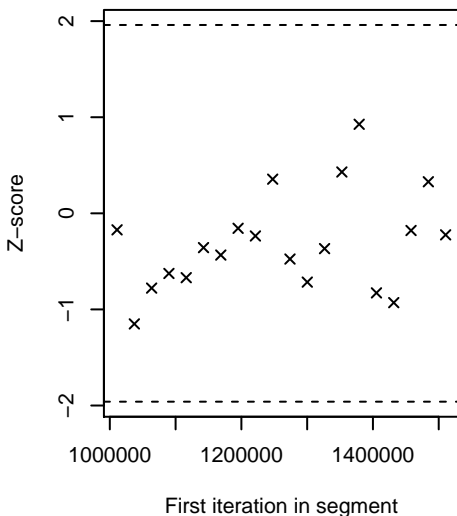
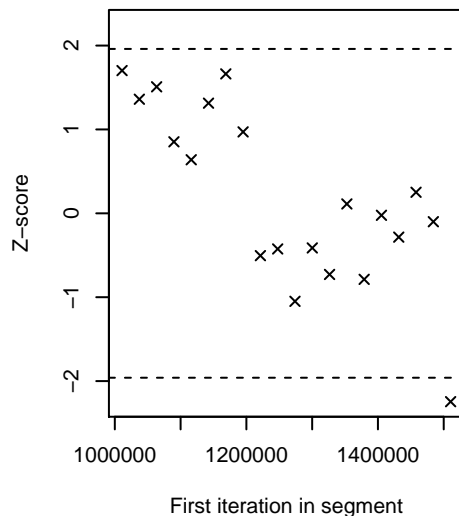
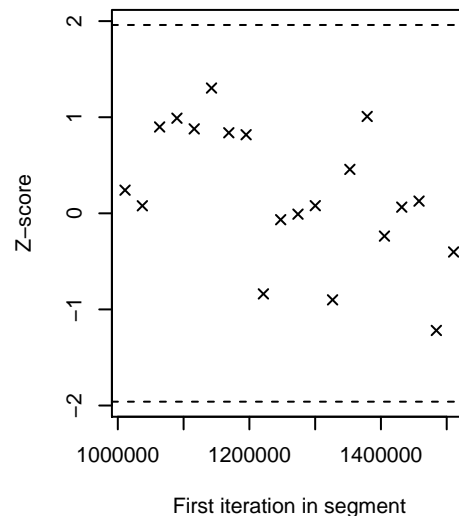
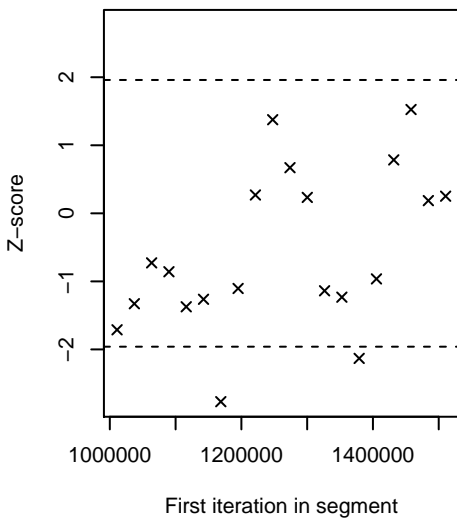
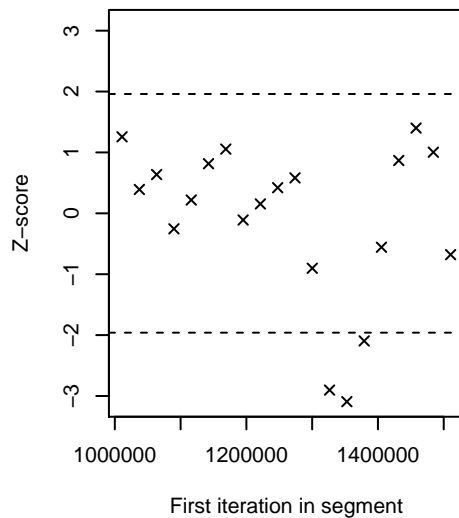
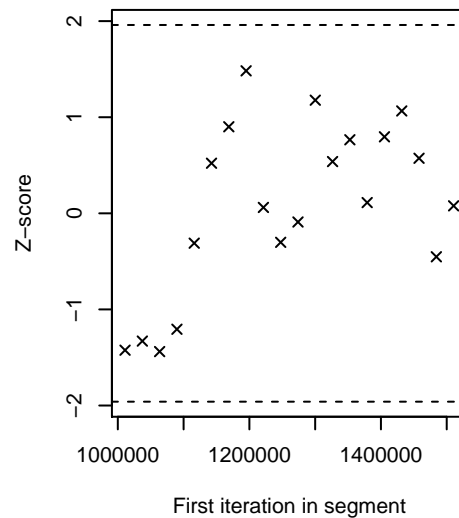


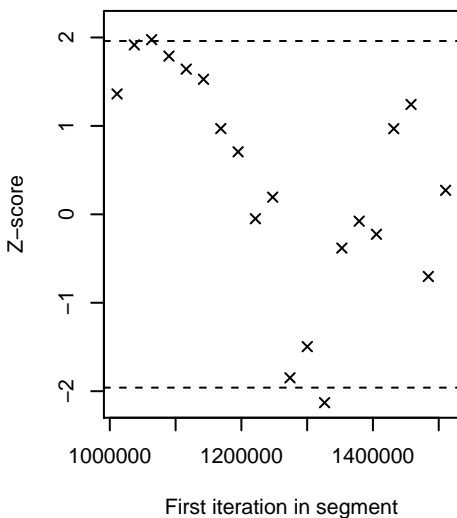
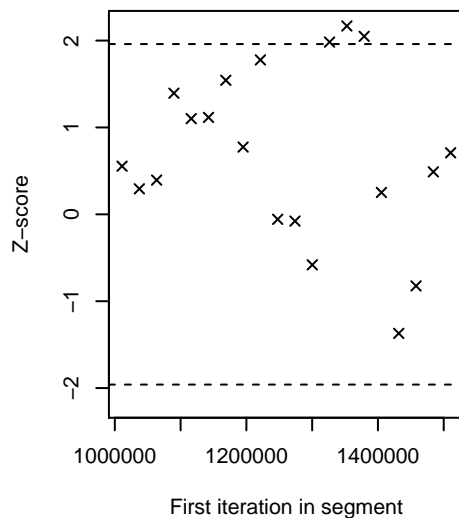
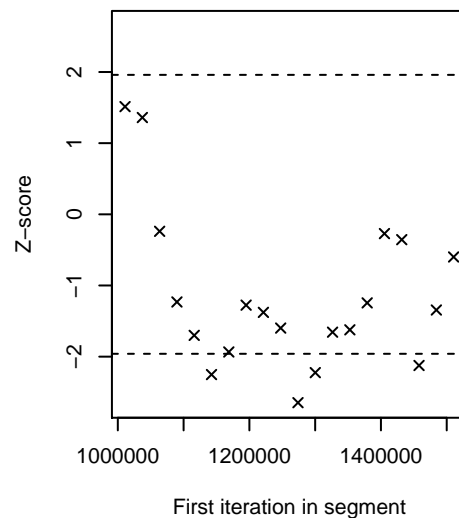
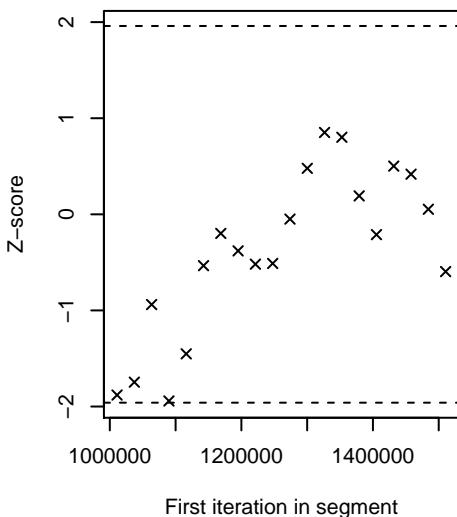
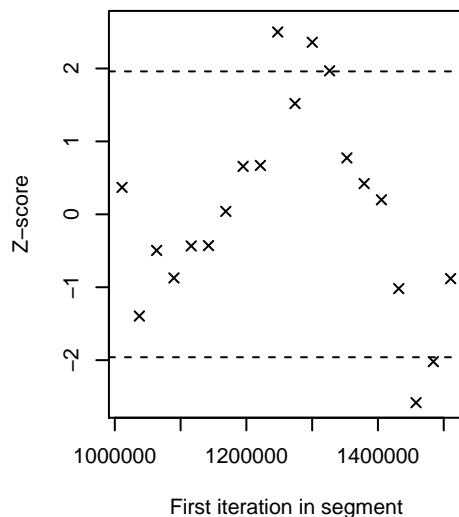
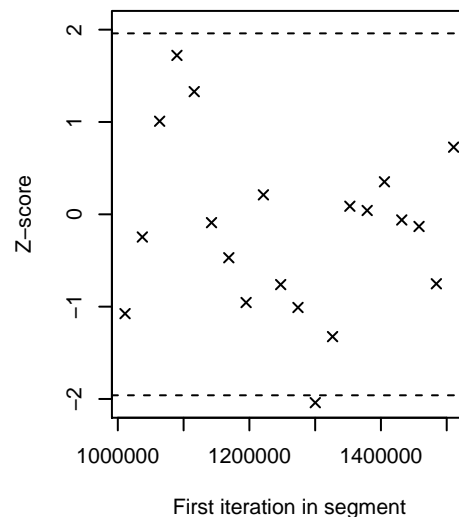
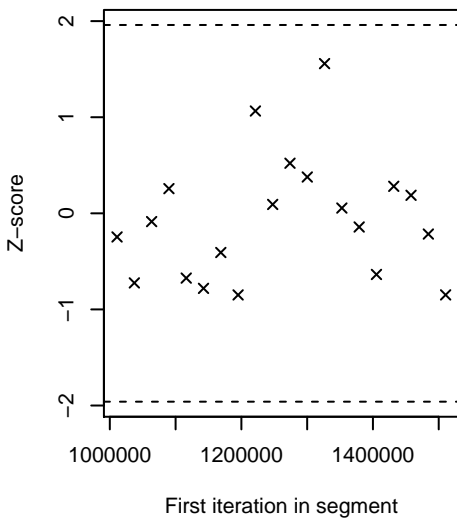
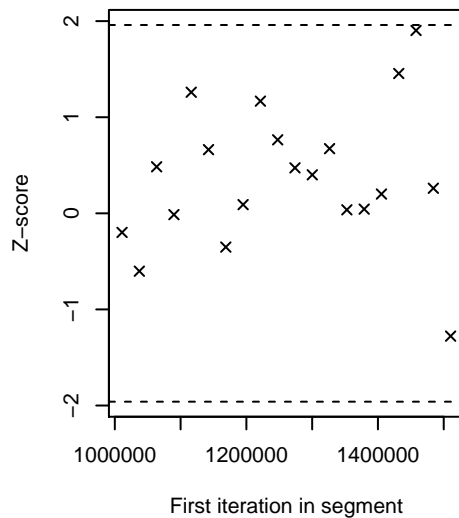
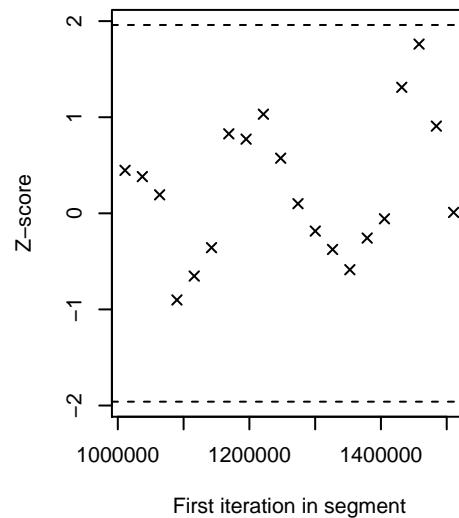
**R[3] (chain1)****R[4] (chain1)****R[5] (chain1)****R[6] (chain1)****R[7] (chain1)****R[8] (chain1)****R[9] (chain1)****R[10] (chain1)****R[11] (chain1)**

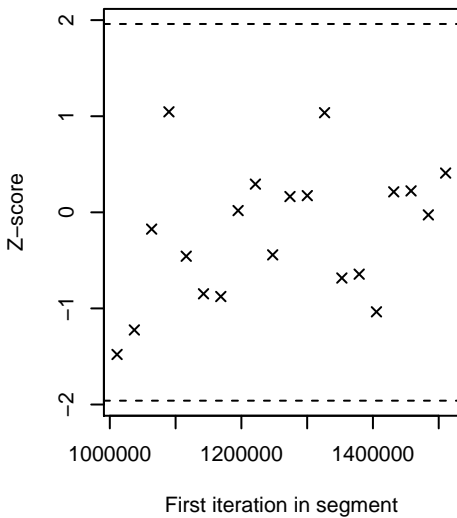
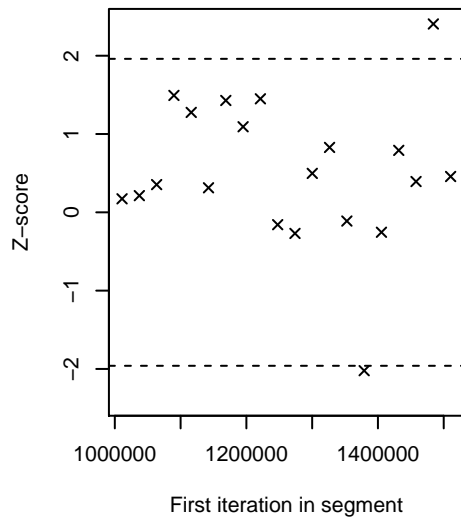
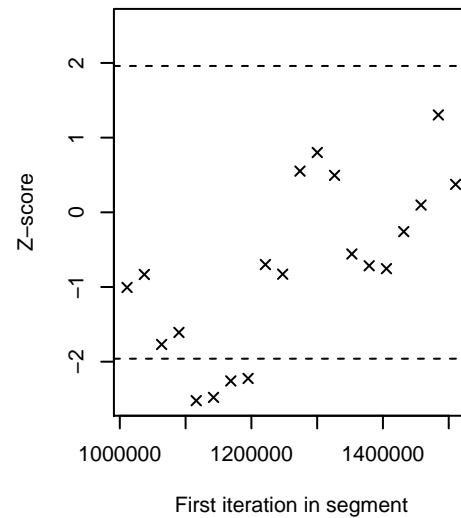
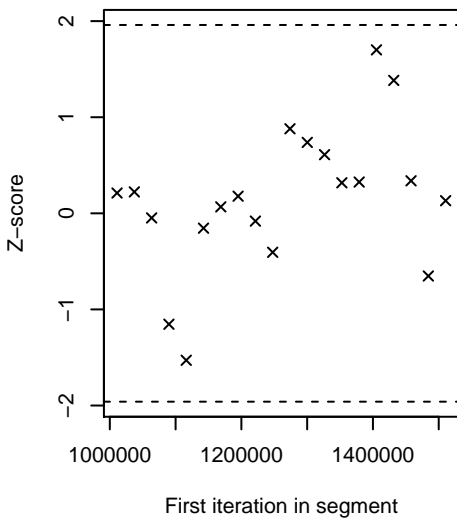
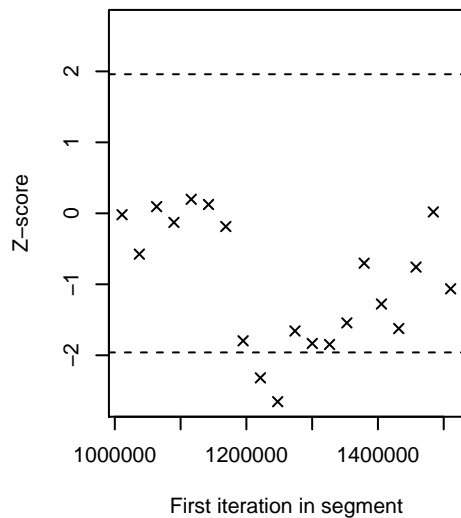
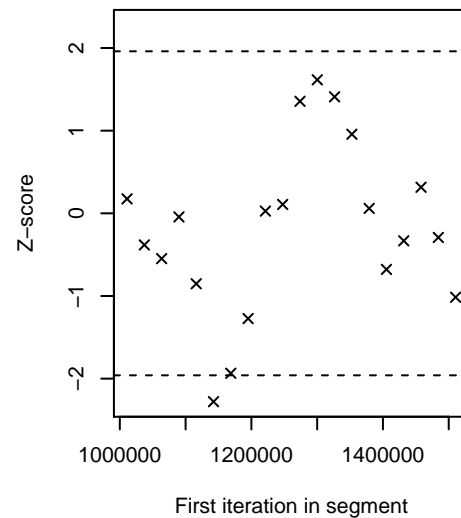
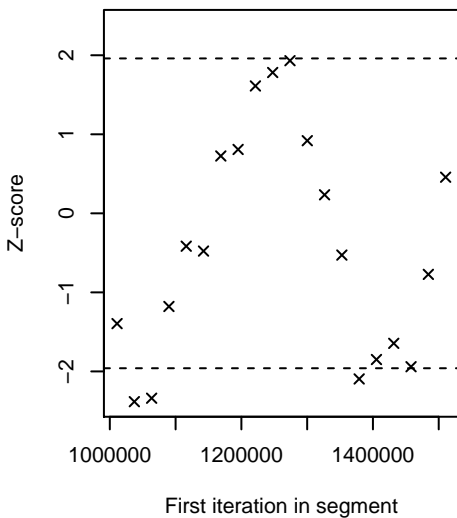
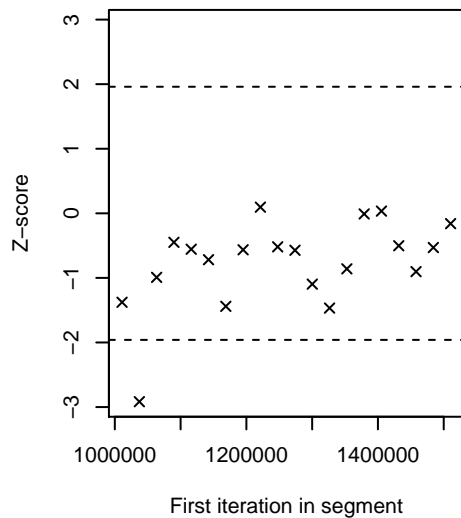
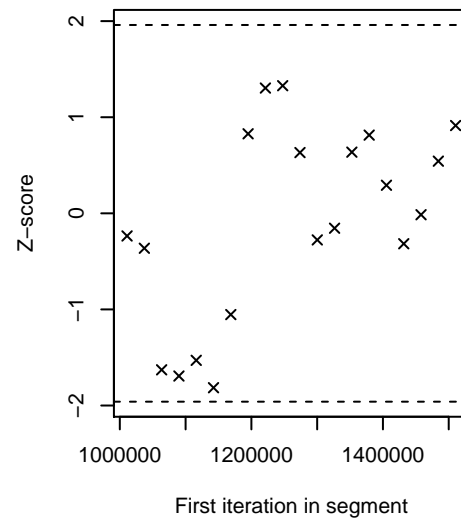
**R[12] (chain1)****R[13] (chain1)****R[14] (chain1)****R[15] (chain1)****R[16] (chain1)****R[17] (chain1)****R[18] (chain1)****R[19] (chain1)****R[20] (chain1)**

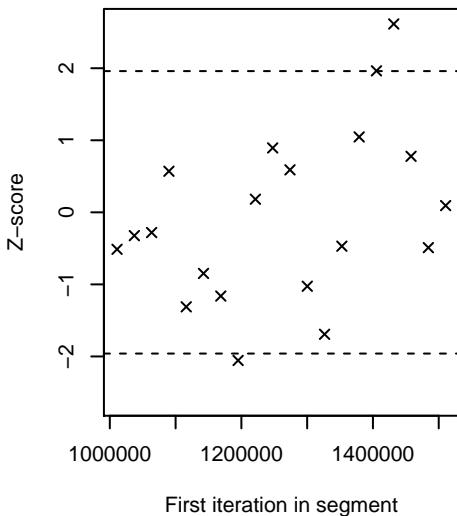
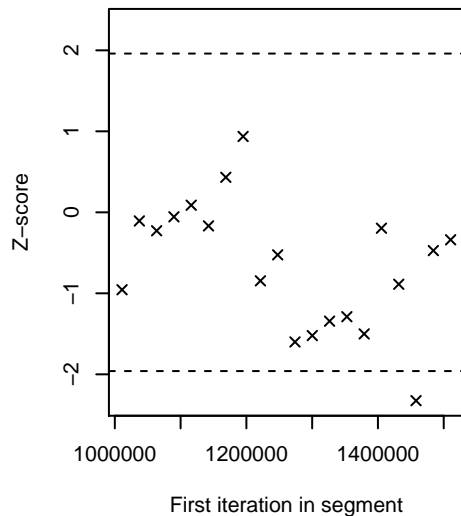
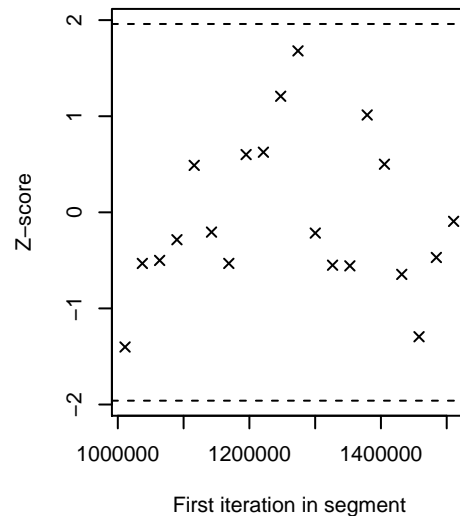
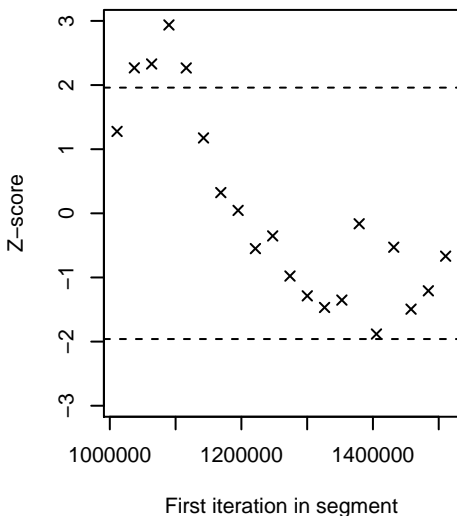
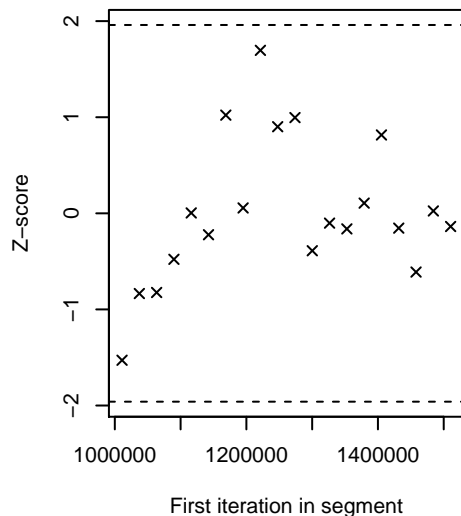
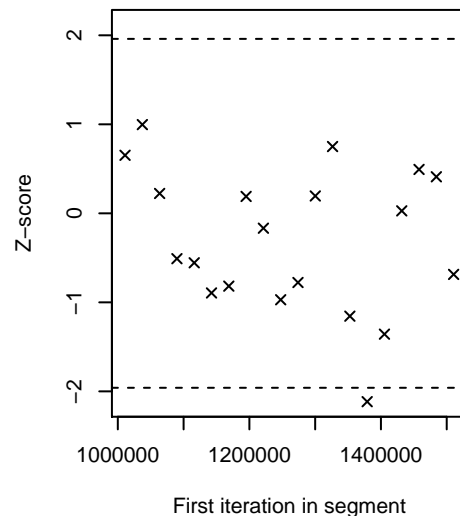
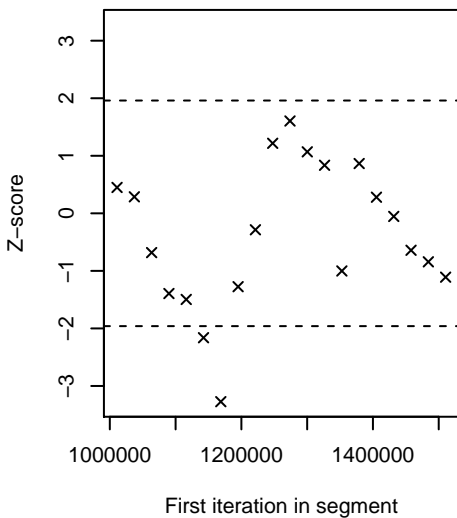
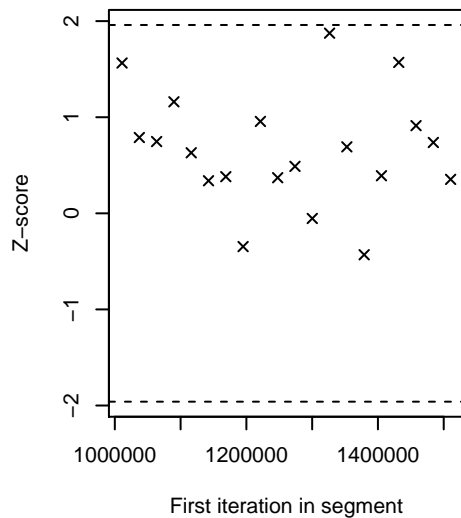
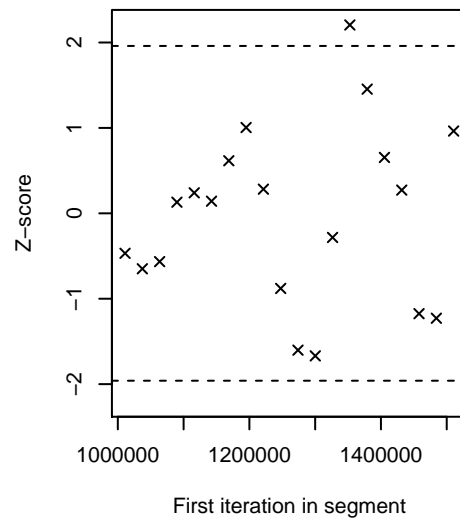
**R[21] (chain1)****R[22] (chain1)****R[23] (chain1)****R[24] (chain1)****R[25] (chain1)****R[26] (chain1)****R[27] (chain1)****R[28] (chain1)****R[29] (chain1)**

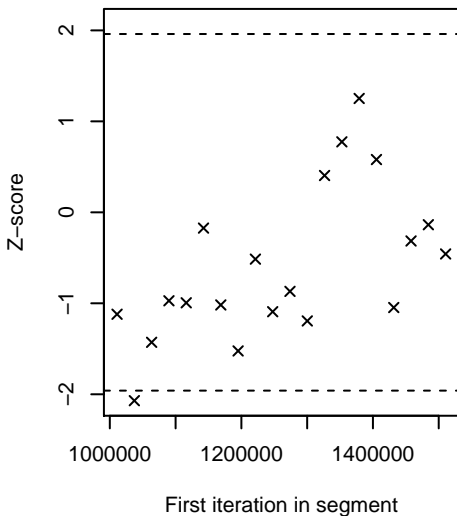
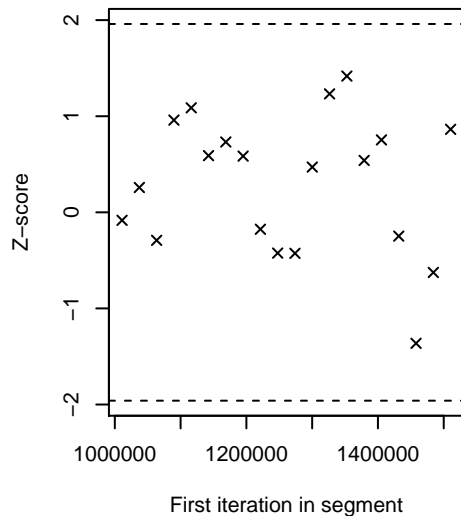
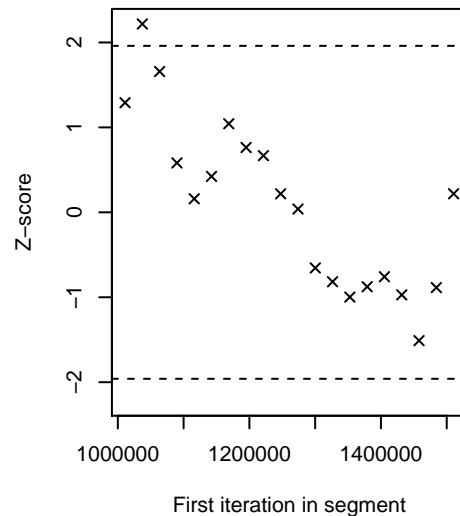
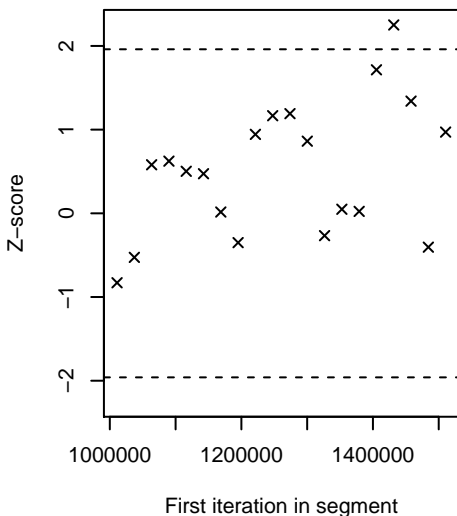
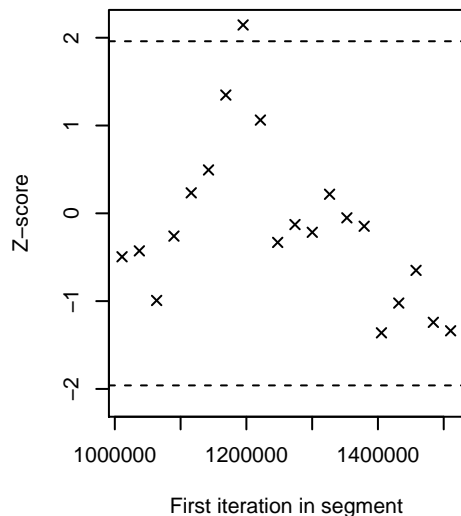
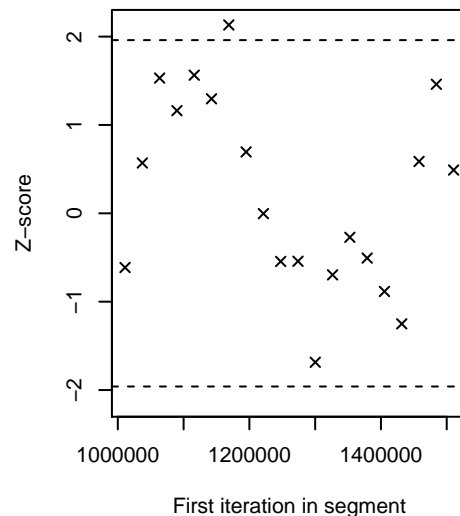
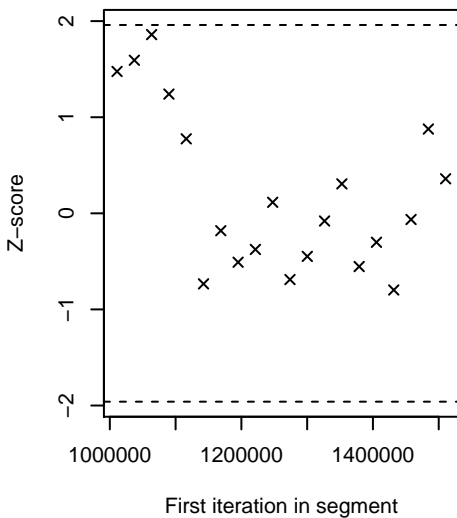
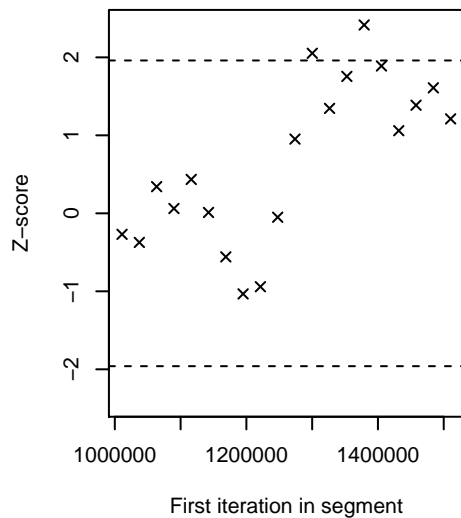
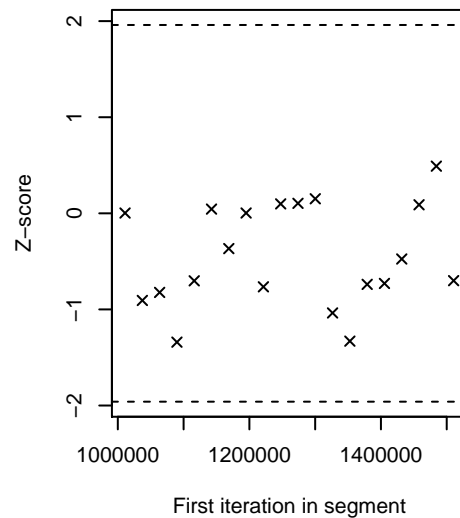


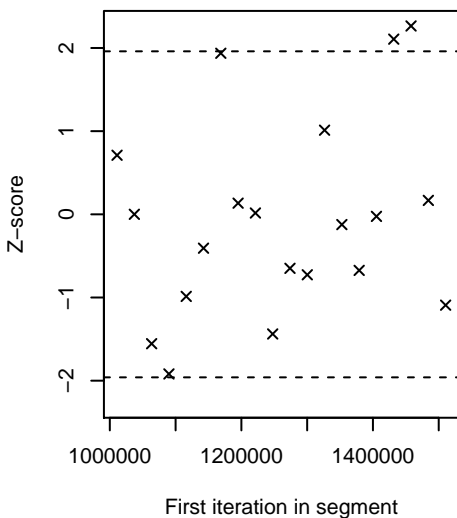
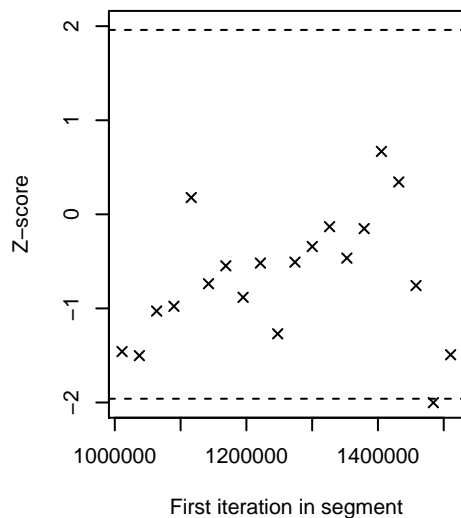
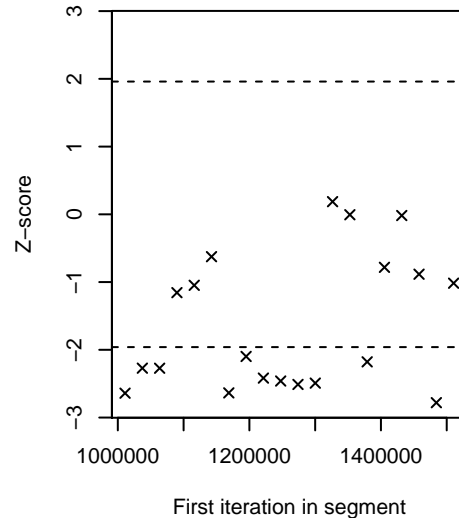
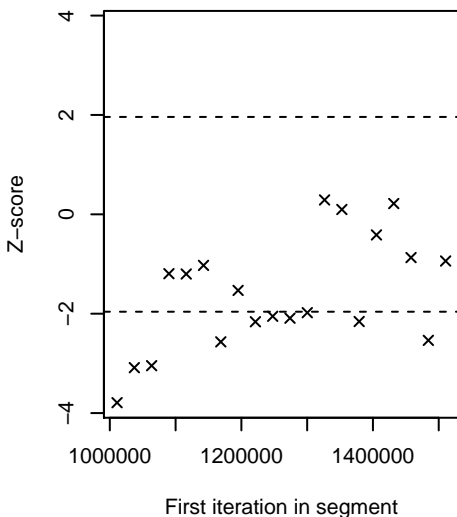
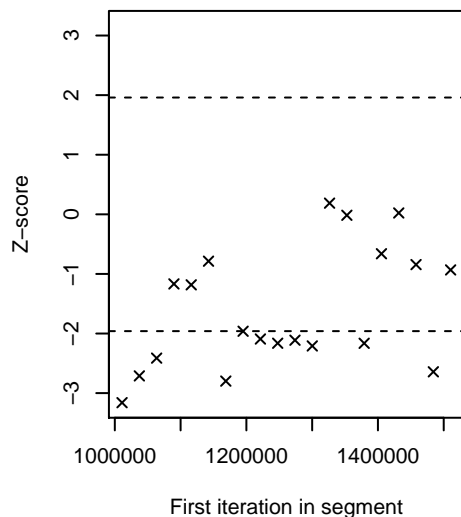
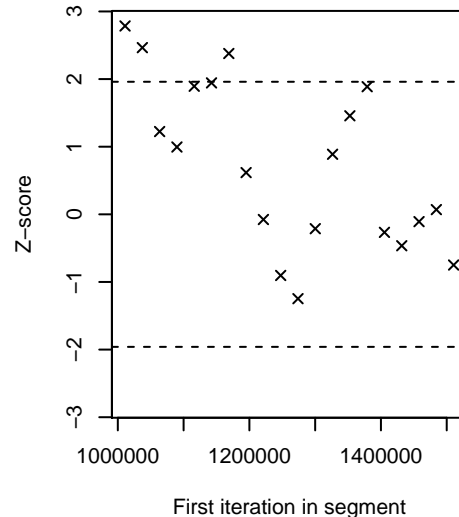
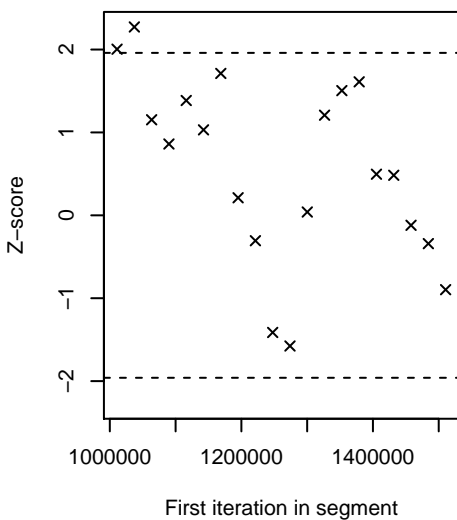
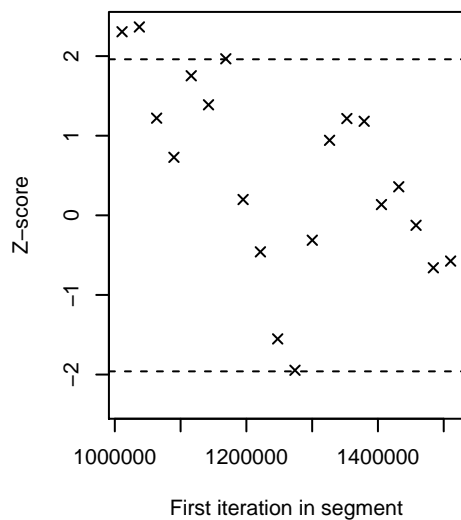
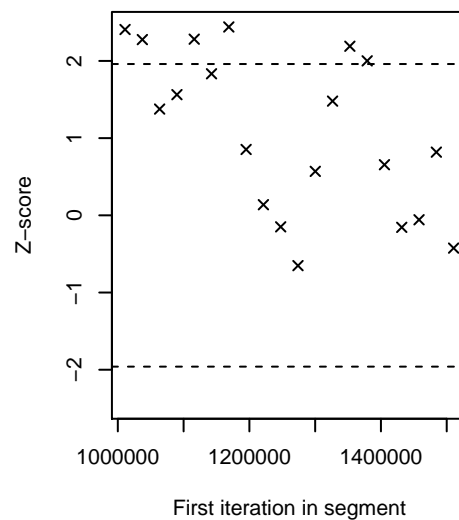
**R[30] (chain1)****R[31] (chain1)****R[32] (chain1)****R[33] (chain1)****R[34] (chain1)****R[35] (chain1)****R[36] (chain1)****R[37] (chain1)****R[38] (chain1)**

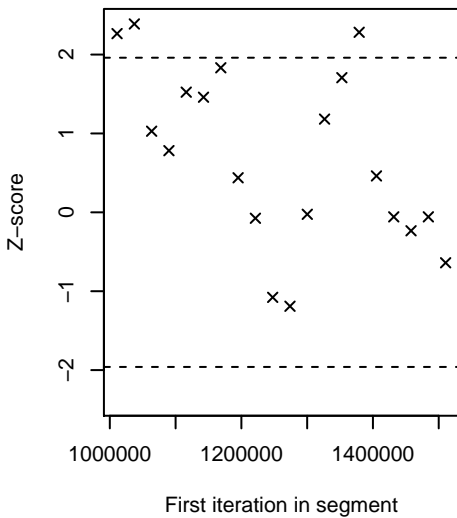
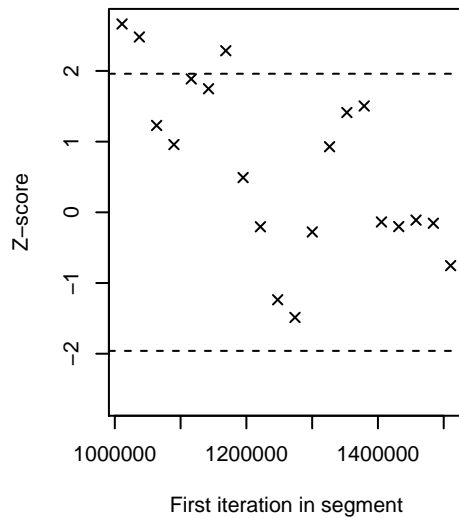
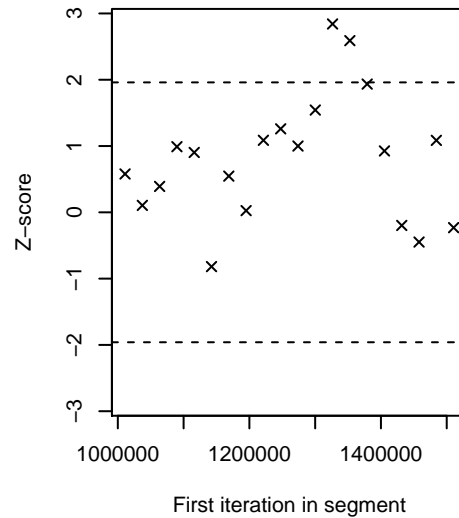
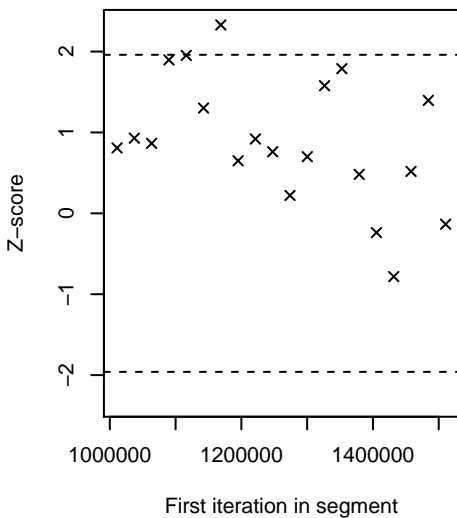
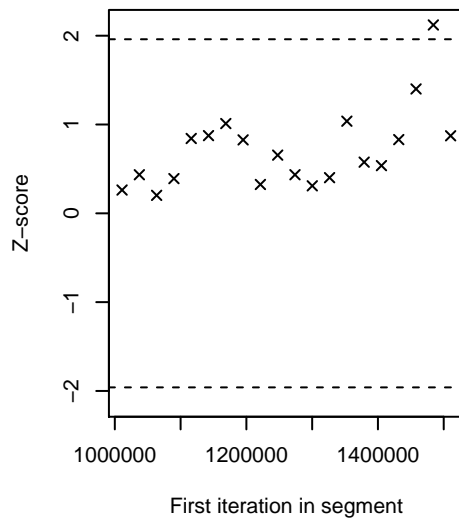
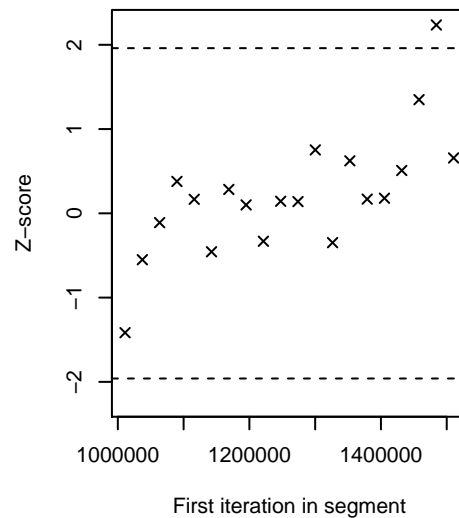
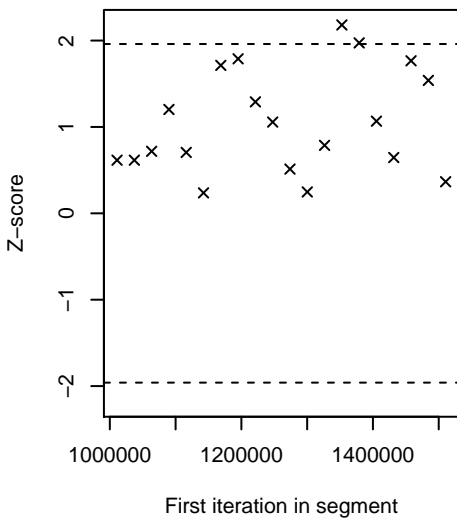
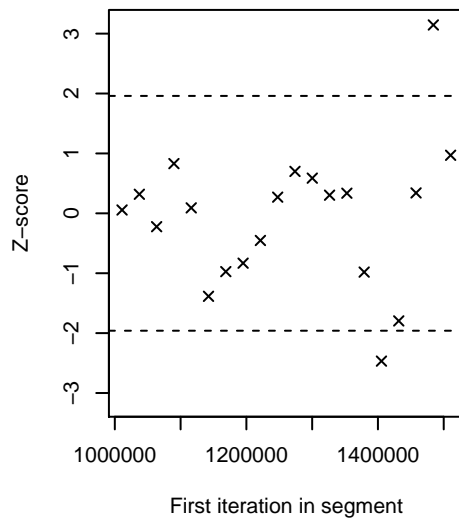
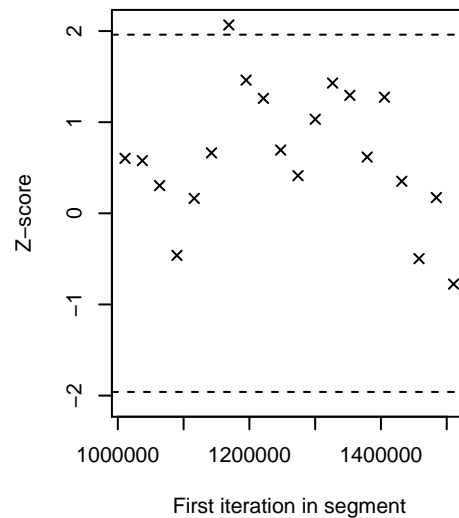
**R[39] (chain1)****S[1] (chain1)****S[2] (chain1)****S[3] (chain1)****S[4] (chain1)****S[5] (chain1)****S[6] (chain1)****S[7] (chain1)****S[8] (chain1)**

**S[9] (chain1)****S[10] (chain1)****S[11] (chain1)****S[12] (chain1)****S[13] (chain1)****S[14] (chain1)****S[15] (chain1)****S[16] (chain1)****S[17] (chain1)**

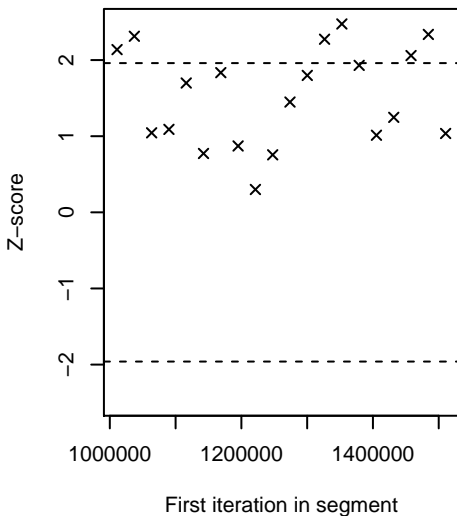
**S[18] (chain1)****S[19] (chain1)****S[20] (chain1)****S[21] (chain1)****S[22] (chain1)****S[23] (chain1)****S[24] (chain1)****S[25] (chain1)****S[26] (chain1)**

**S[27] (chain1)****S[28] (chain1)****S[29] (chain1)****S[30] (chain1)****S[31] (chain1)****S[32] (chain1)****S[33] (chain1)****S[34] (chain1)****S[35] (chain1)**

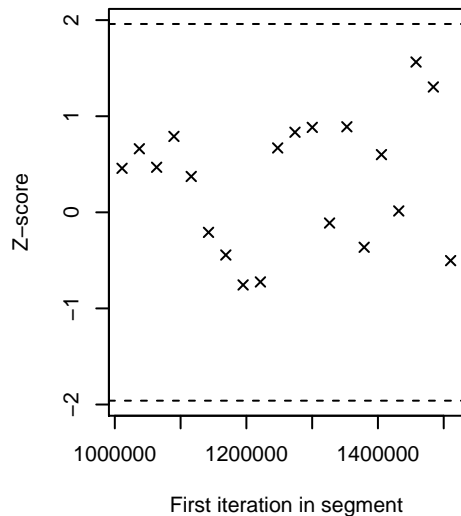
**S[36] (chain1)****S[37] (chain1)****S.eq.c (chain1)****S.max (chain1)****S.msy.c (chain1)****U.msy.c (chain1)****alpha (chain1)****alpha.c (chain1)****beta (chain1)**

**Inalpha (chain1)****Inalpha.c (chain1)****log.resid[7] (chain1)****log.resid[8] (chain1)****log.resid[9] (chain1)****log.resid[10] (chain1)****log.resid[11] (chain1)****log.resid[12] (chain1)****log.resid[13] (chain1)**

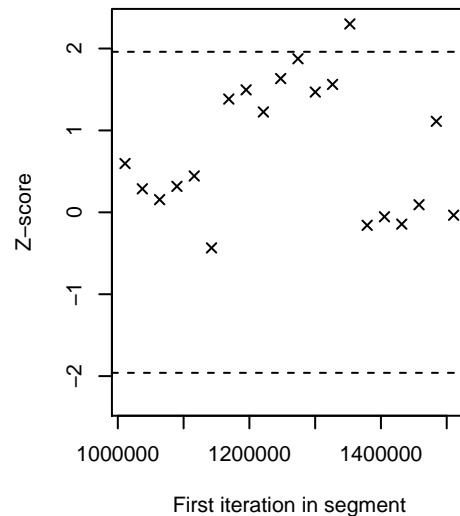
**log.resid[14] (chain1)**



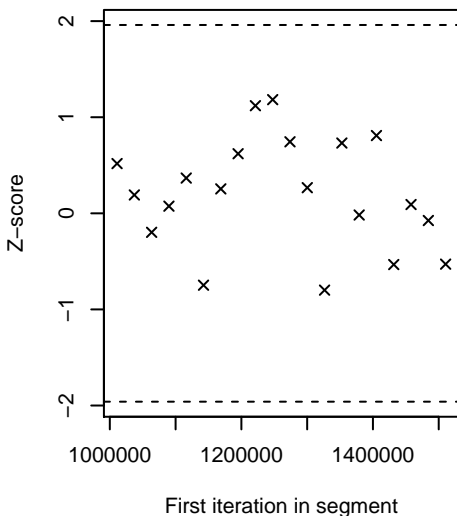
**log.resid[15] (chain1)**



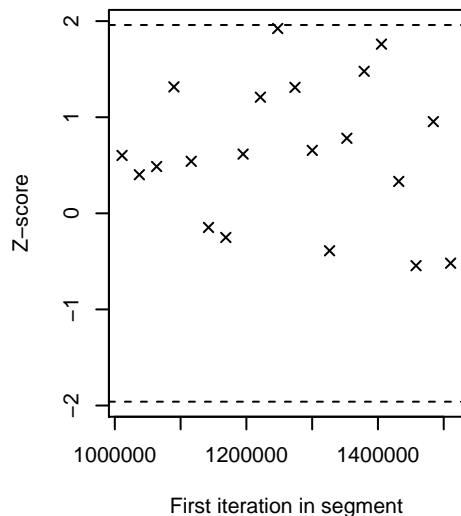
**log.resid[16] (chain1)**



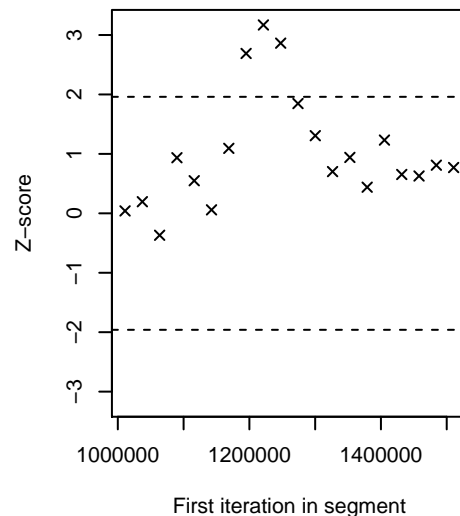
**log.resid[17] (chain1)**



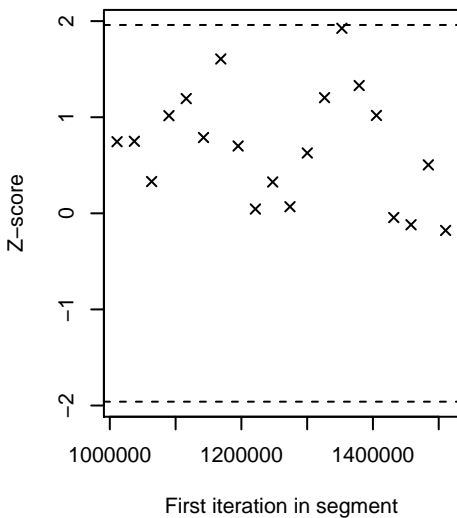
**log.resid[18] (chain1)**



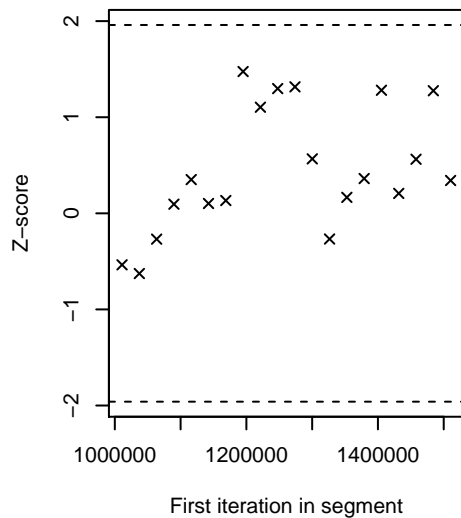
**log.resid[19] (chain1)**



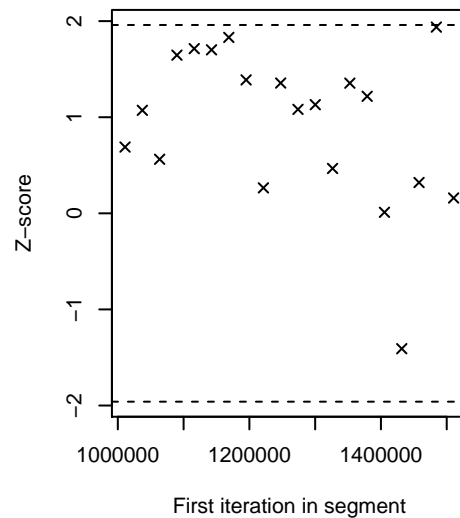
**log.resid[20] (chain1)**



**log.resid[21] (chain1)**

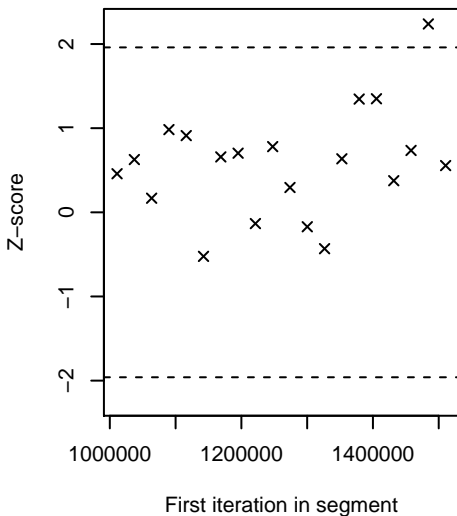


**log.resid[22] (chain1)**

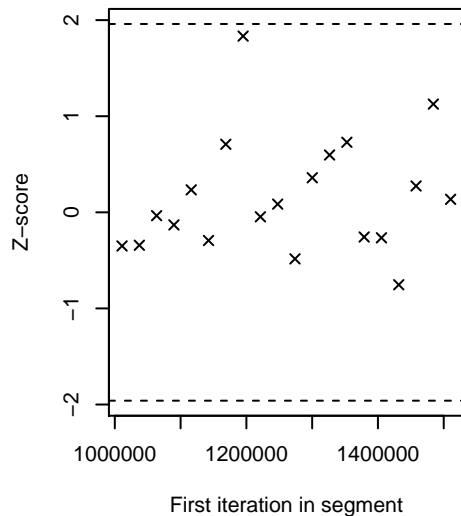




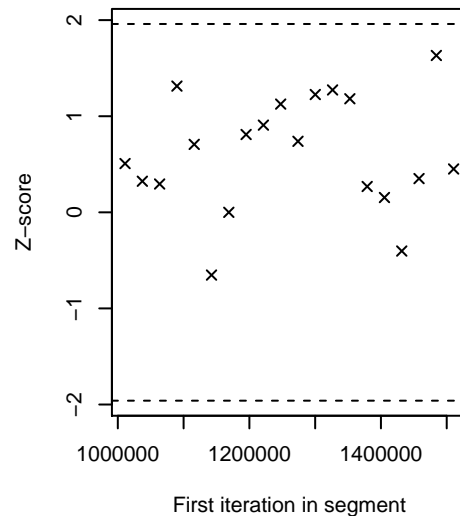
**log.resid[23] (chain1)**



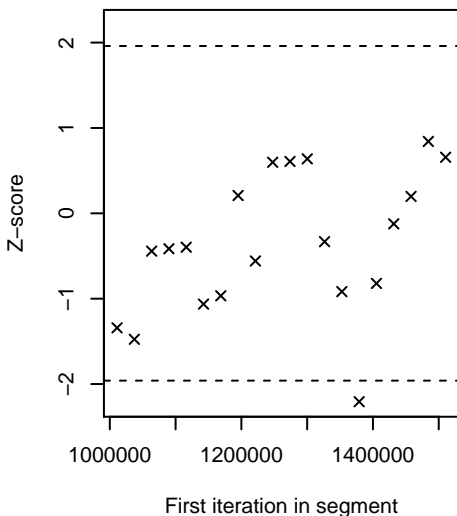
**log.resid[24] (chain1)**



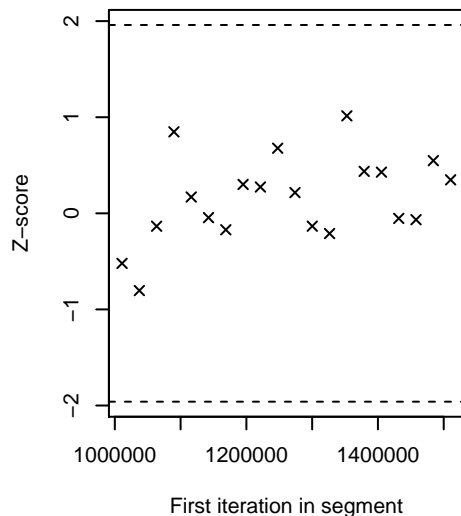
**log.resid[25] (chain1)**



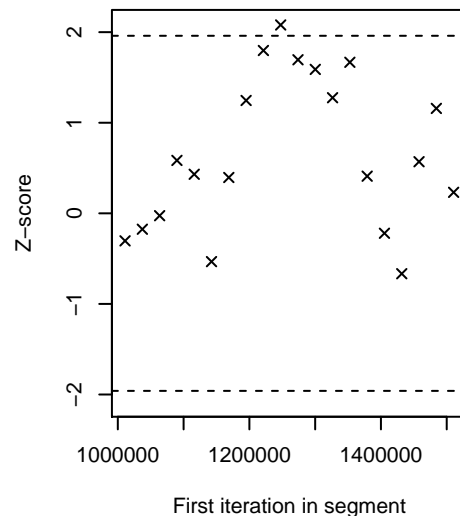
**log.resid[26] (chain1)**



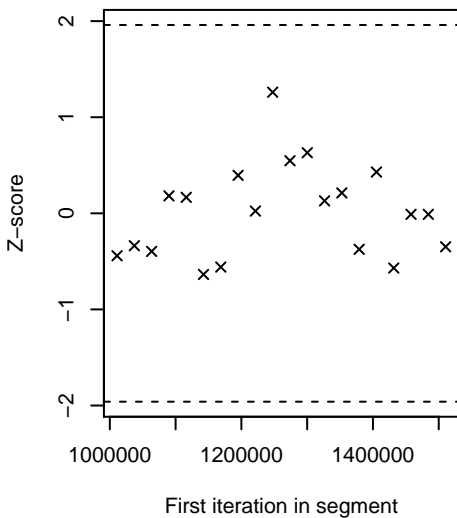
**log.resid[27] (chain1)**



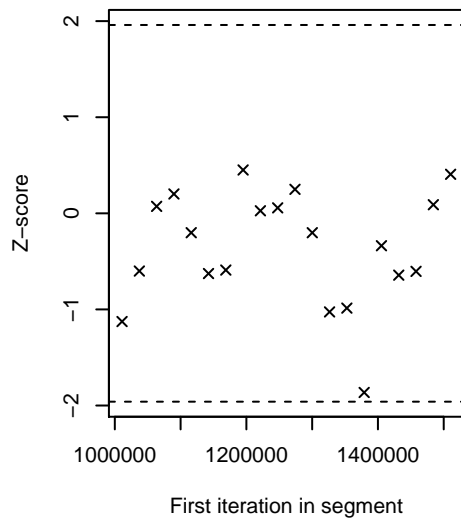
**log.resid[28] (chain1)**



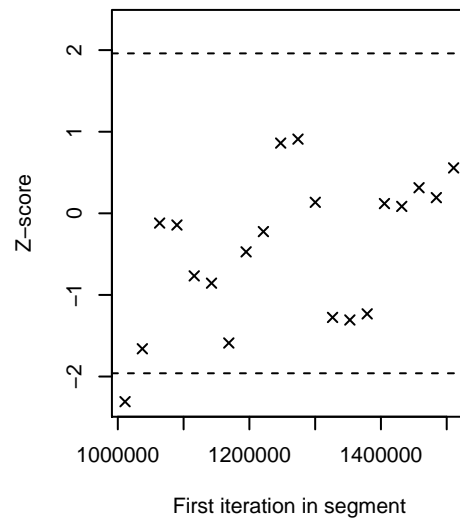
**log.resid[29] (chain1)**



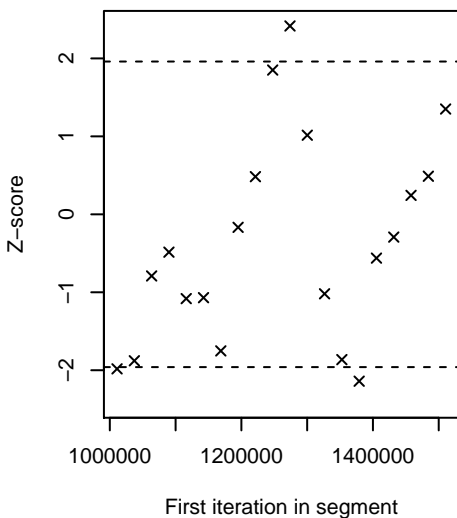
**log.resid[30] (chain1)**



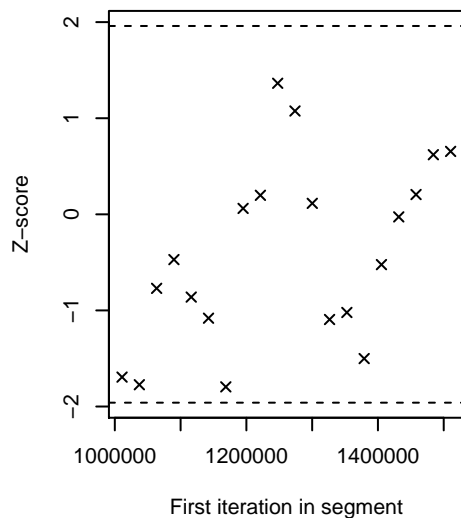
**log.resid[31] (chain1)**



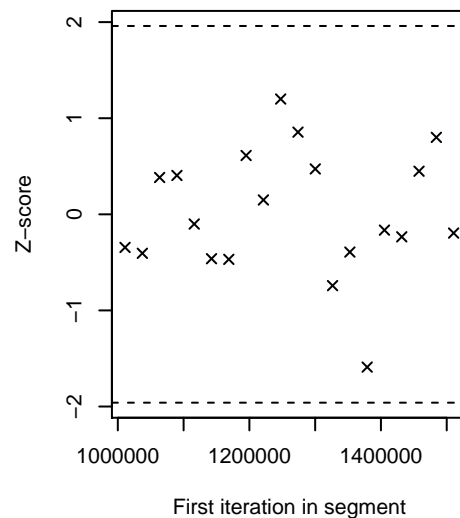
**log.resid[32] (chain1)**



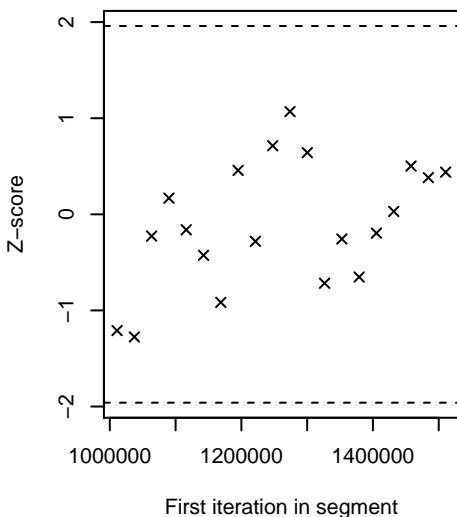
**log.resid[33] (chain1)**



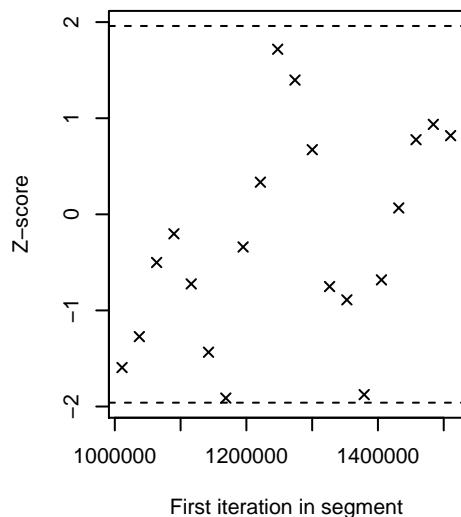
**log.resid[34] (chain1)**



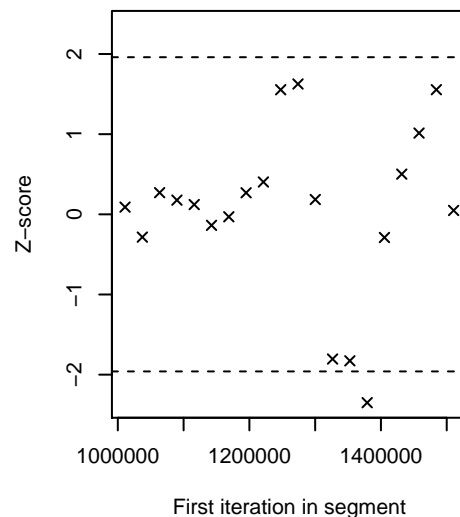
**log.resid[35] (chain1)**



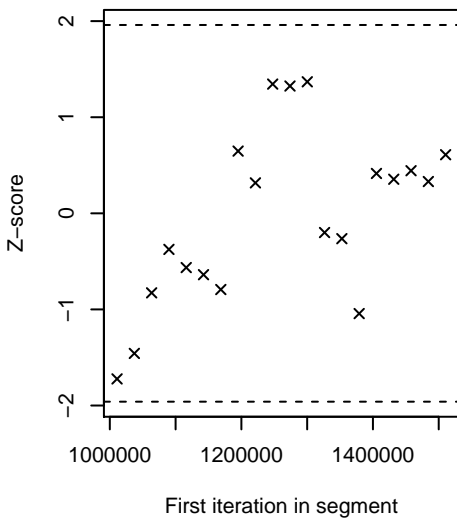
**log.resid[36] (chain1)**



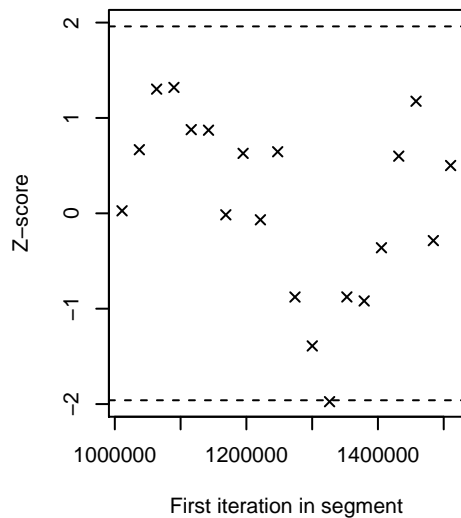
**log.resid[37] (chain1)**



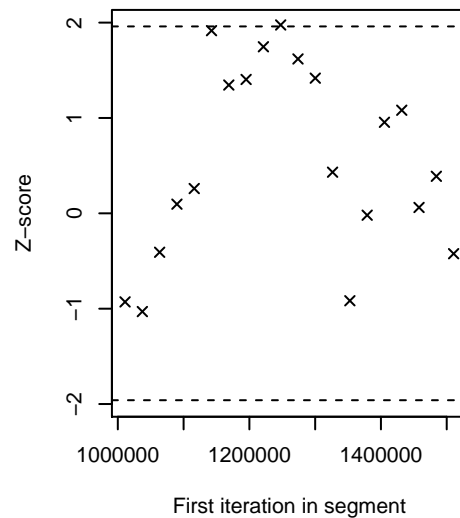
**log.resid[38] (chain1)**



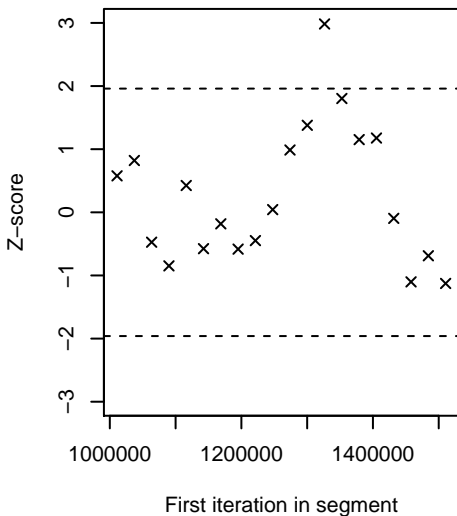
**log.resid[39] (chain1)**



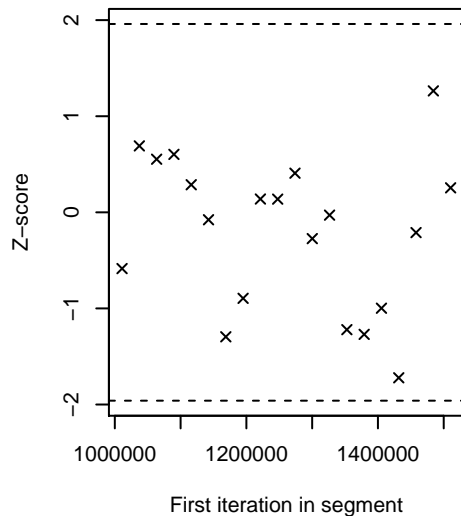
**log.resid.0 (chain1)**



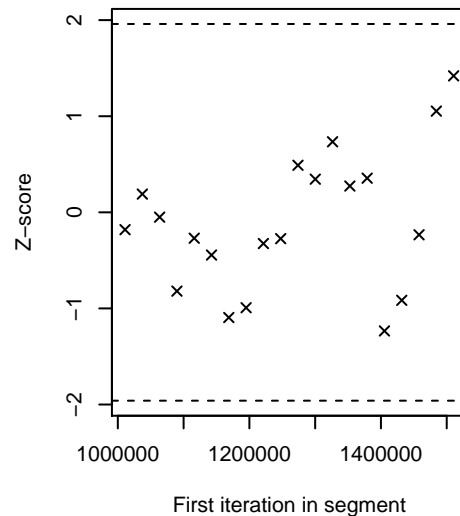
mean.log.R0 (chain1)



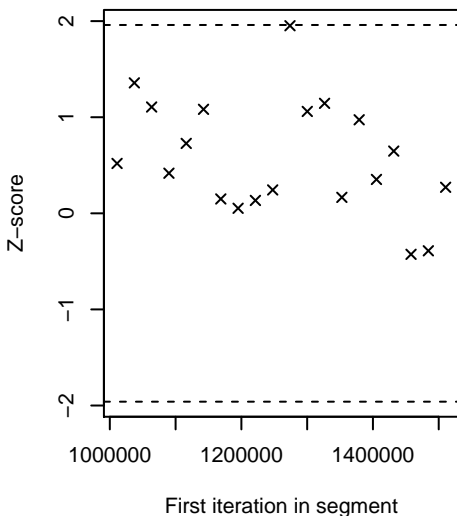
mu.HB[1] (chain1)



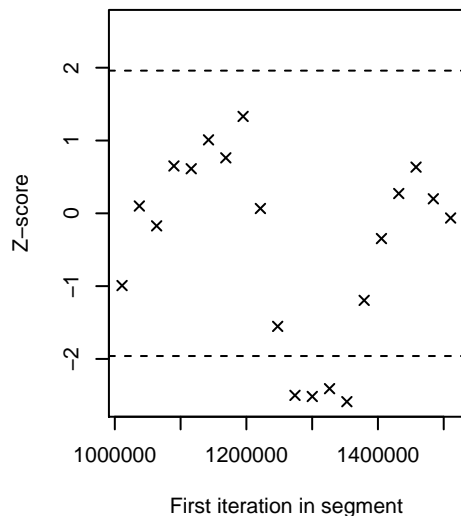
mu.HB[2] (chain1)



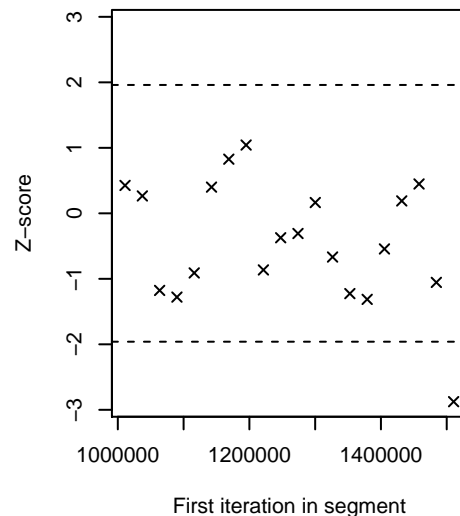
mu.HB[3] (chain1)



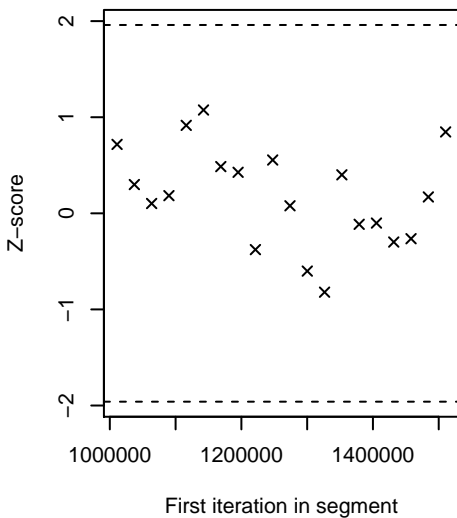
mu.HB[4] (chain1)



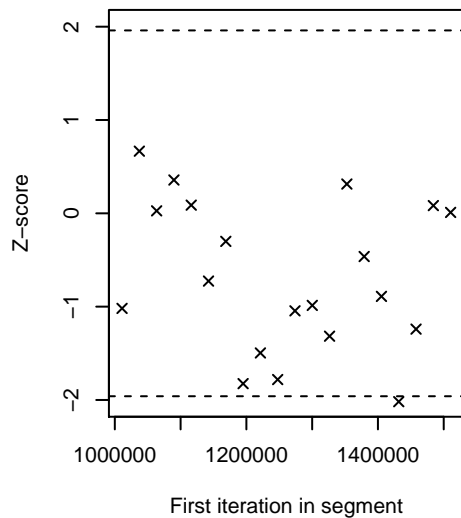
mu.HB[5] (chain1)



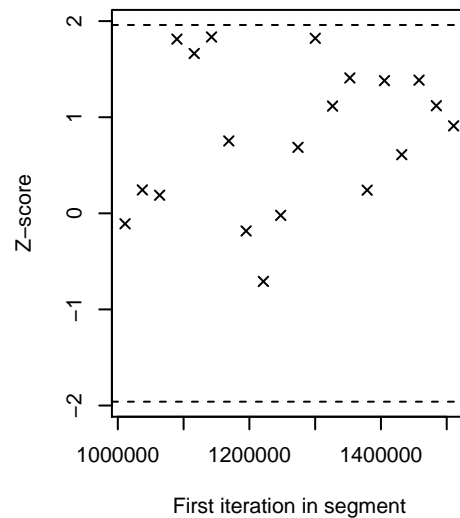
mu.HB[6] (chain1)



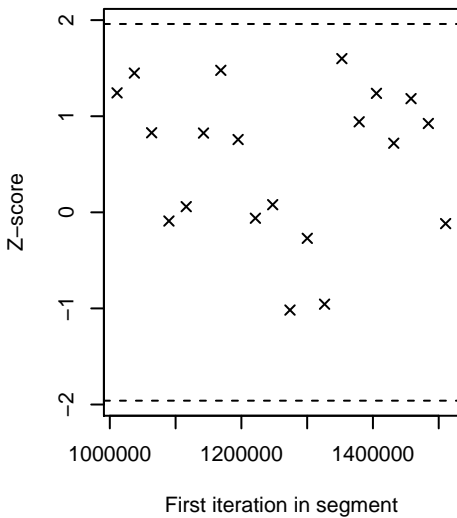
mu.HB[7] (chain1)



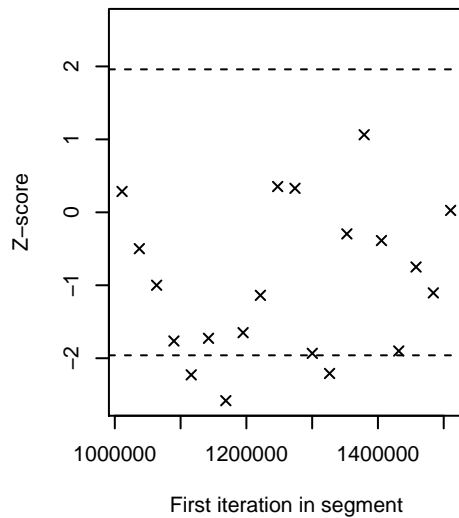
mu.HB[8] (chain1)



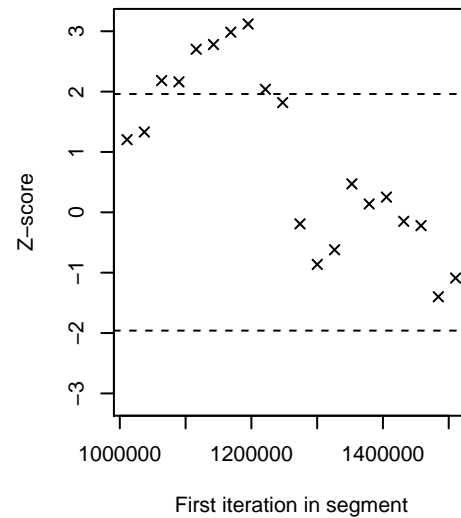
**mu.HB[9] (chain1)**



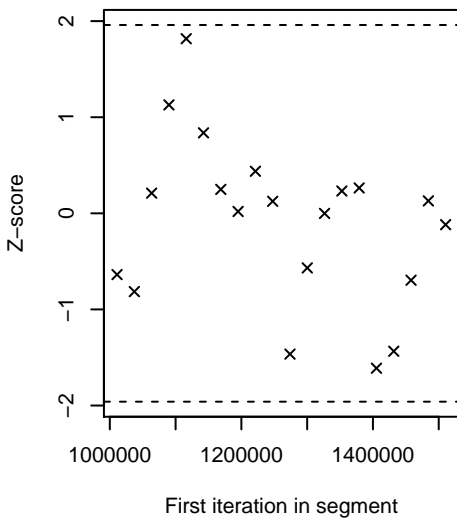
**mu.HB[10] (chain1)**



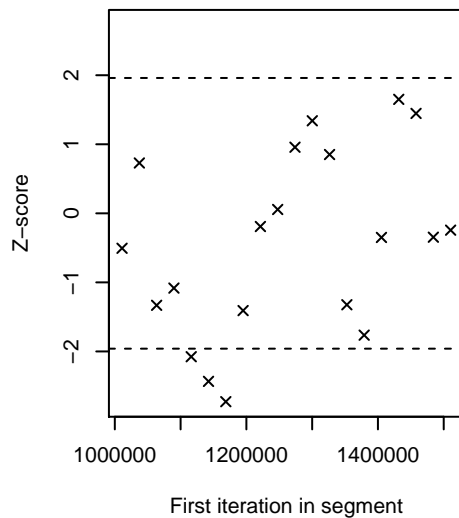
**mu.HB[11] (chain1)**



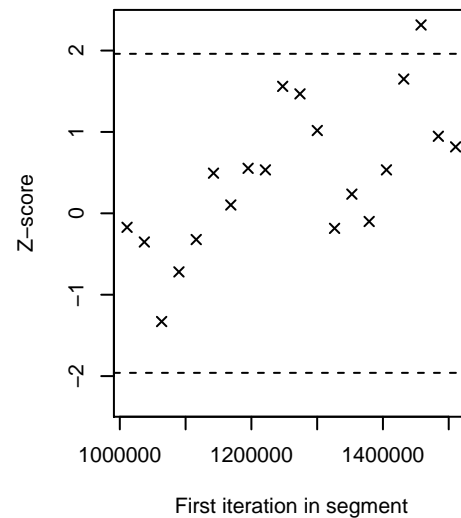
**mu.HB[12] (chain1)**



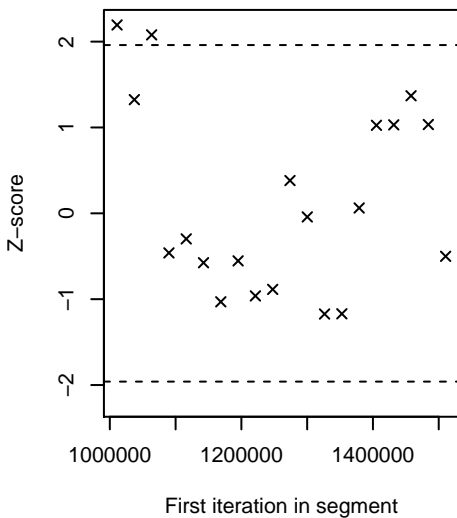
**mu.HB[13] (chain1)**



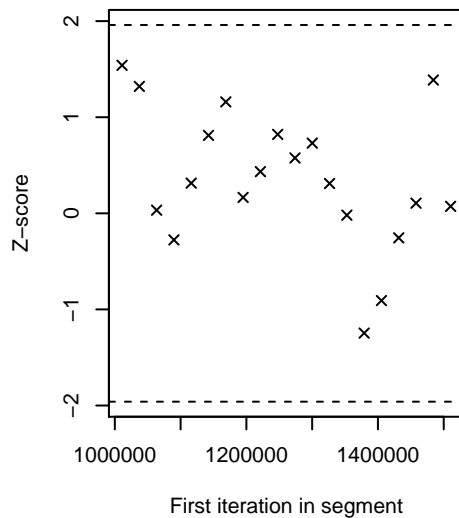
**mu.HB[14] (chain1)**



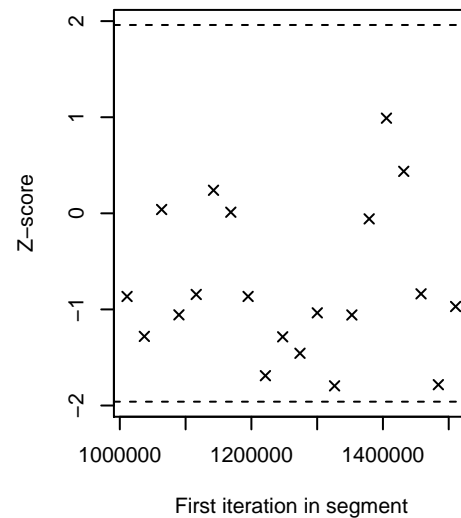
**mu.HB[15] (chain1)**



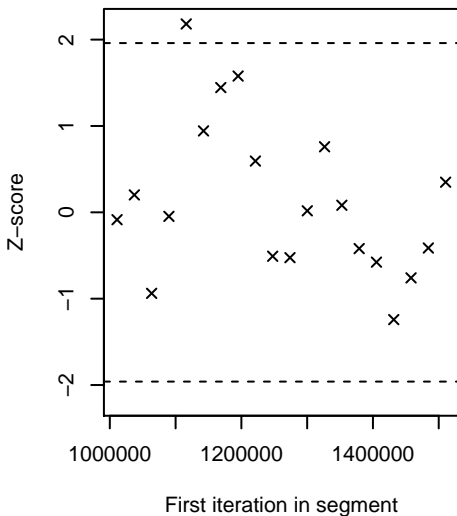
**mu.HB[16] (chain1)**



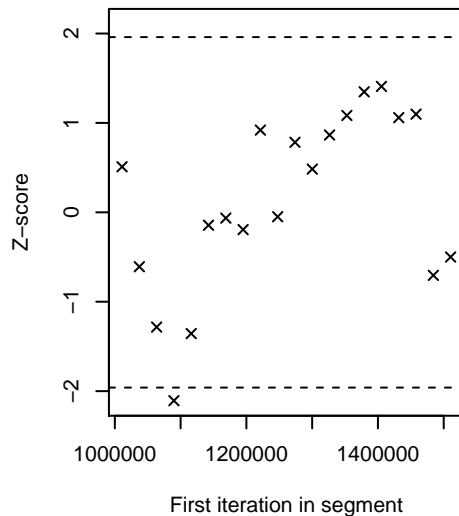
**mu.HB[17] (chain1)**



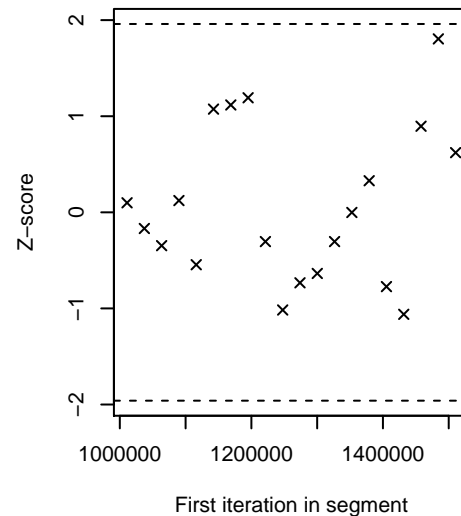
**mu.HB[18] (chain1)**



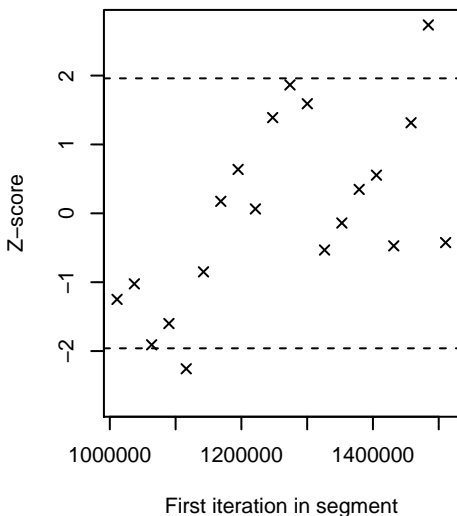
**mu.HB[19] (chain1)**



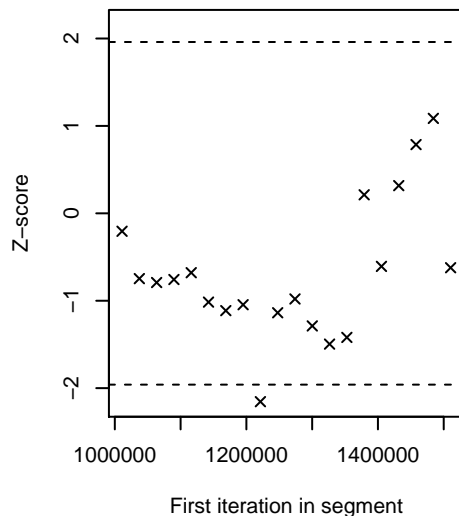
**mu.HB[20] (chain1)**



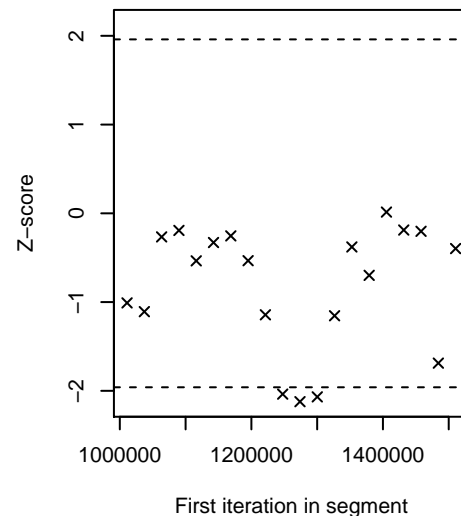
**mu.HB[21] (chain1)**



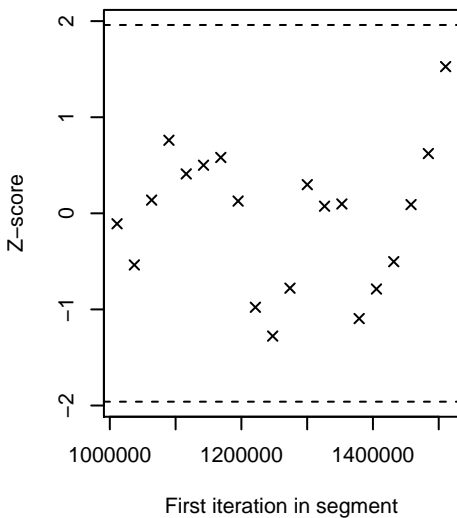
**mu.HB[22] (chain1)**



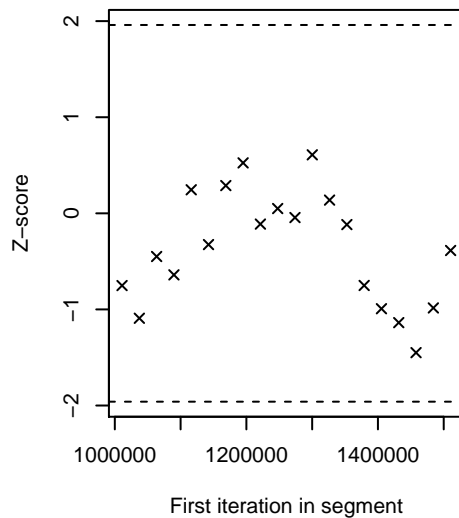
**mu.HB[23] (chain1)**



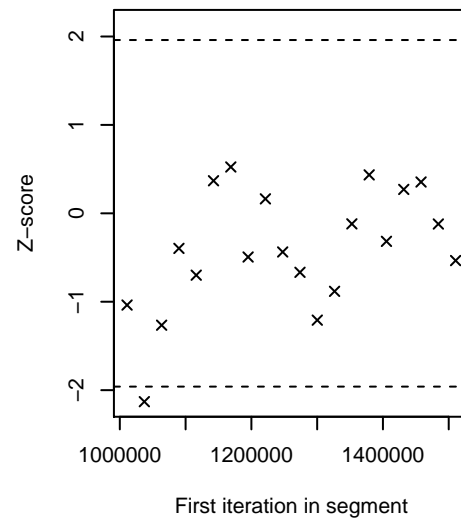
**mu.HB[24] (chain1)**



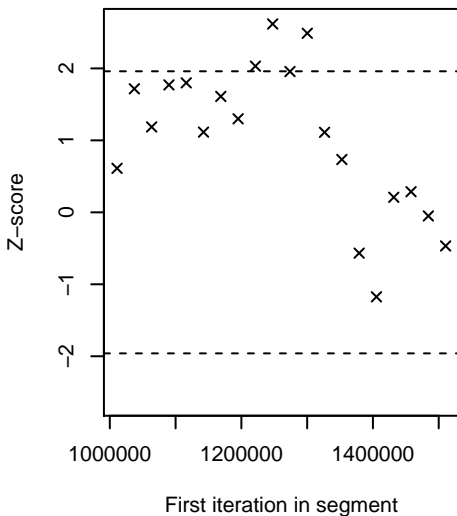
**mu.HB[25] (chain1)**



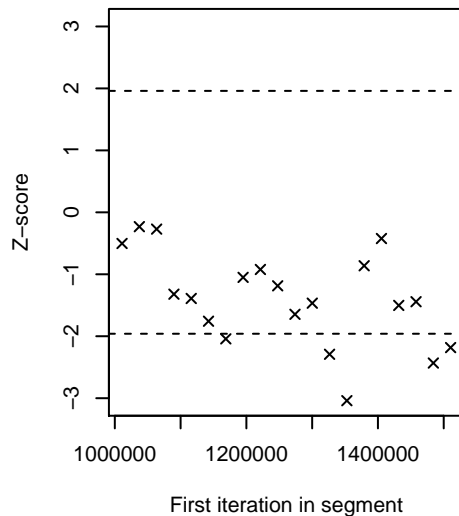
**mu.HB[26] (chain1)**



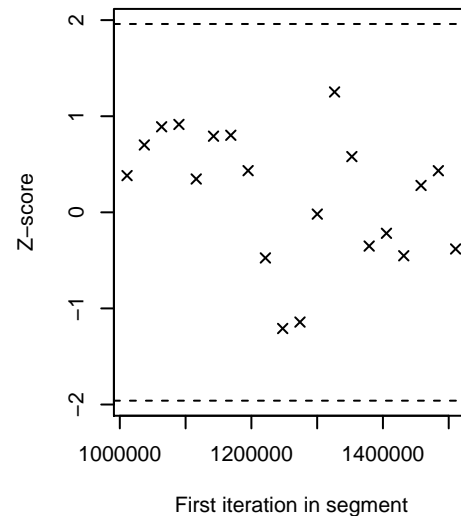
**mu.HB[27] (chain1)**



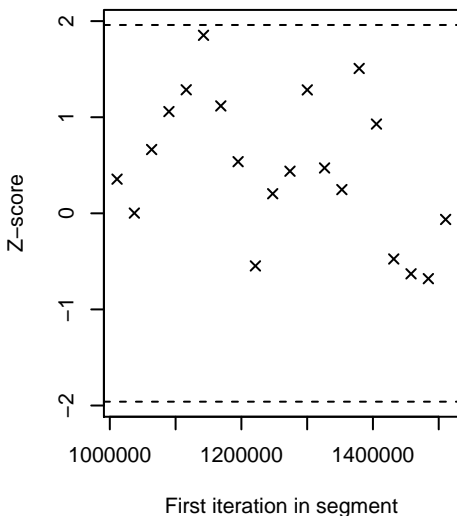
**mu.HB[28] (chain1)**



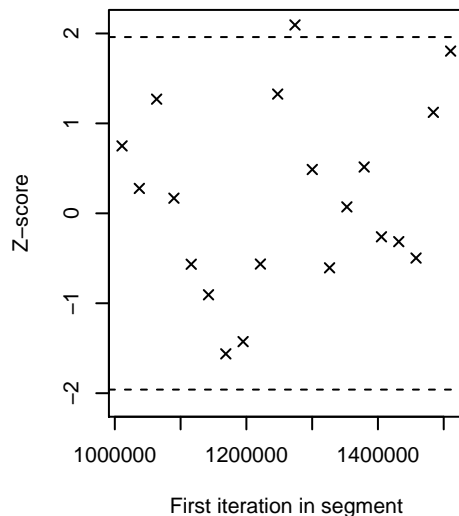
**mu.HB[29] (chain1)**



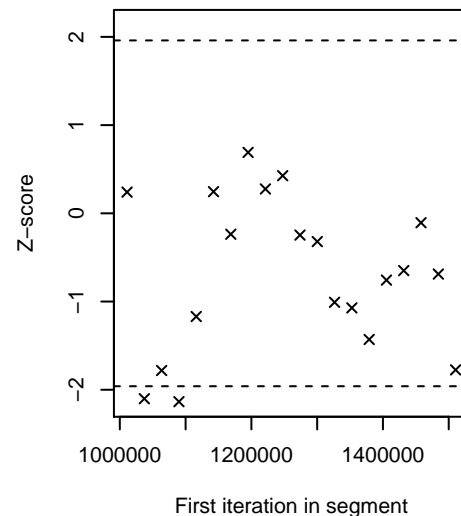
**mu.HB[30] (chain1)**



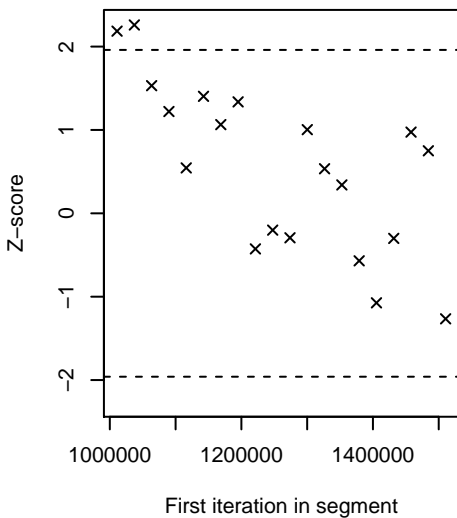
**mu.HB[31] (chain1)**



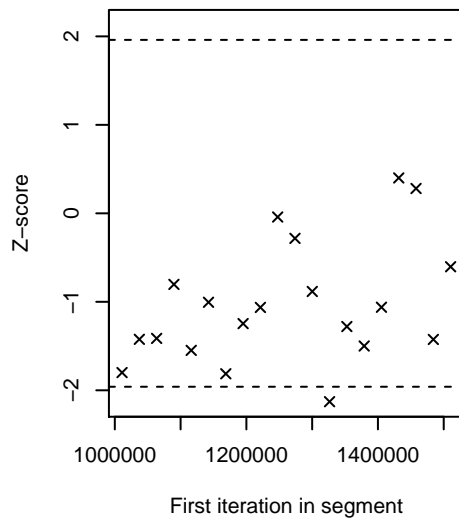
**mu.HB[32] (chain1)**



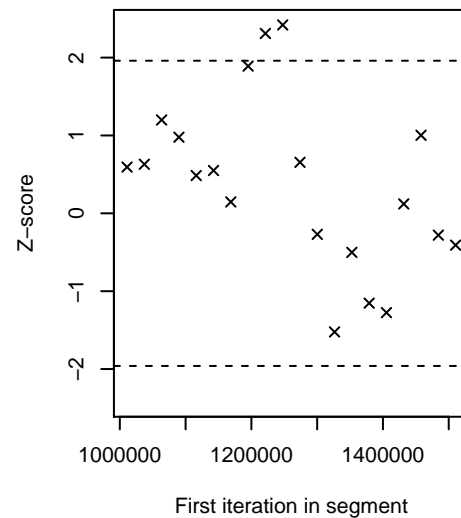
**mu.HB[33] (chain1)**



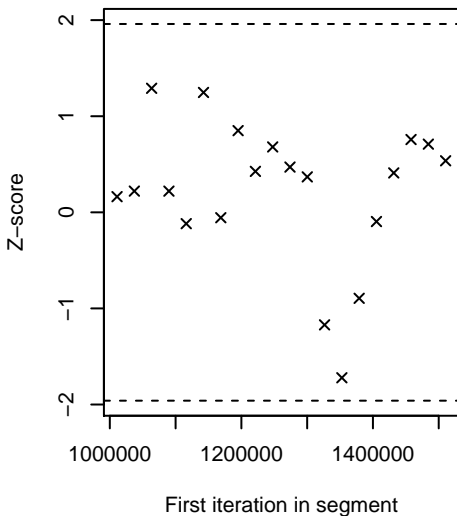
**mu.HB[34] (chain1)**



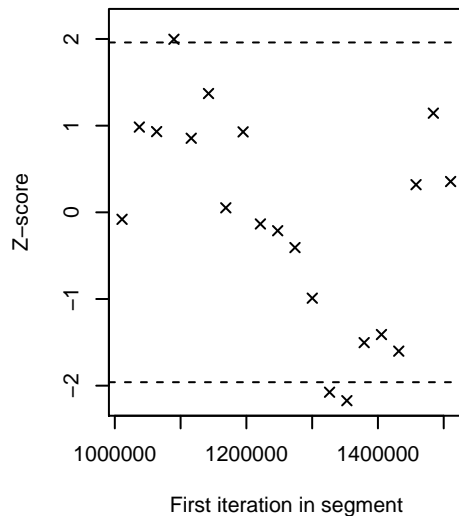
**mu.HB[35] (chain1)**



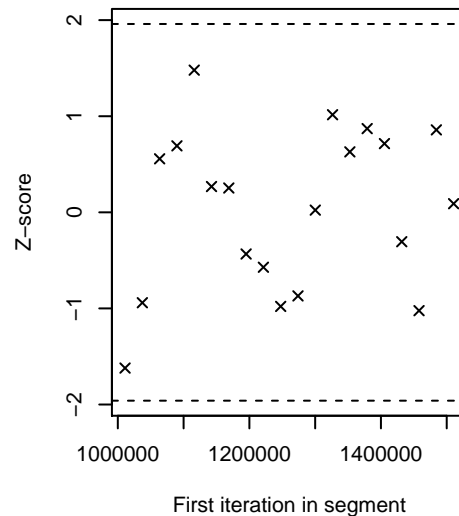
**mu.HB[36] (chain1)**



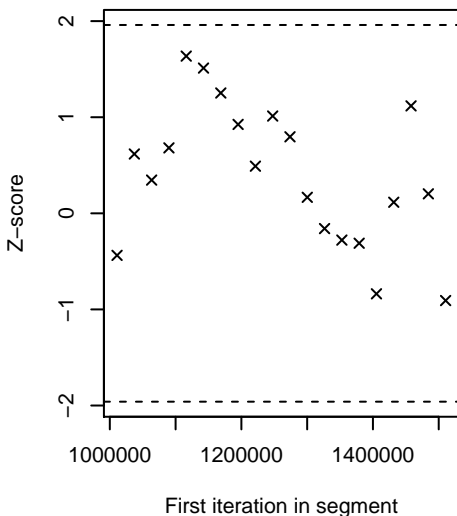
**mu.HB[37] (chain1)**



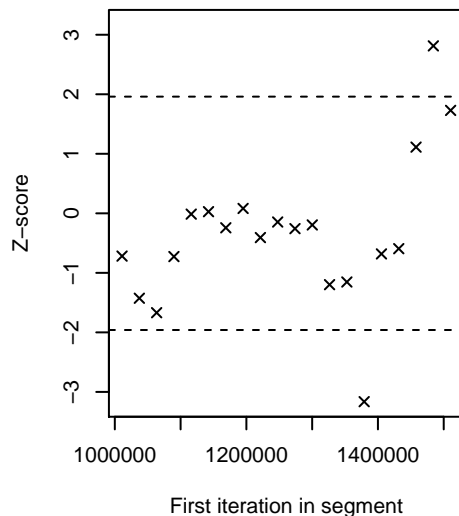
**p[1,1] (chain1)**



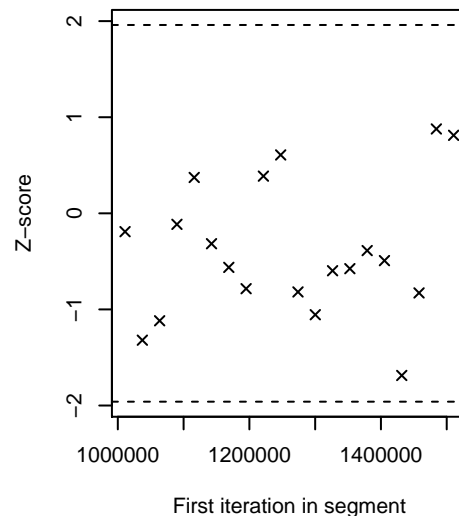
**p[2,1] (chain1)**



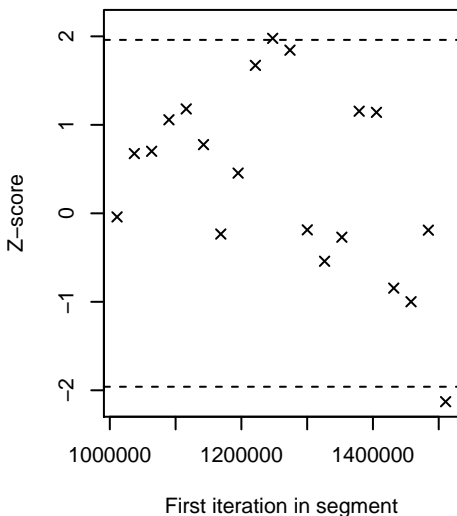
**p[3,1] (chain1)**



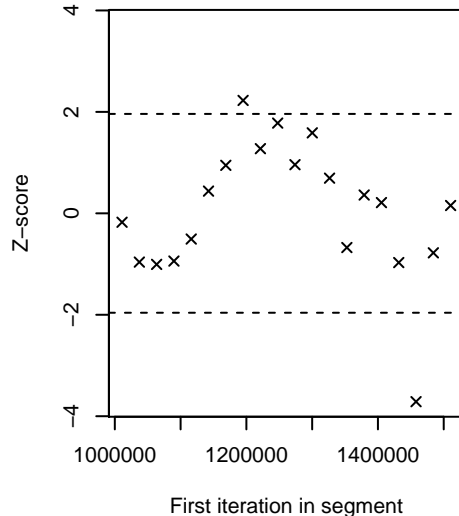
**p[4,1] (chain1)**



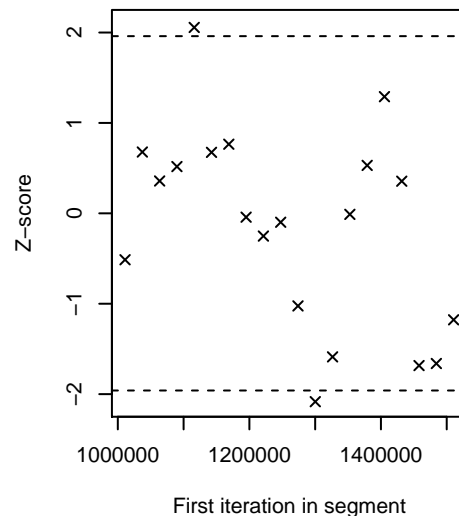
**p[5,1] (chain1)**



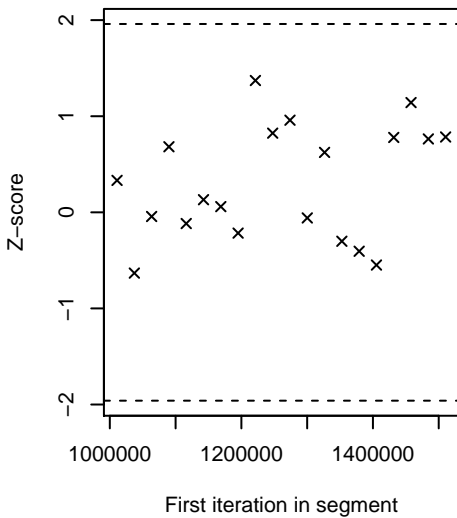
**p[6,1] (chain1)**



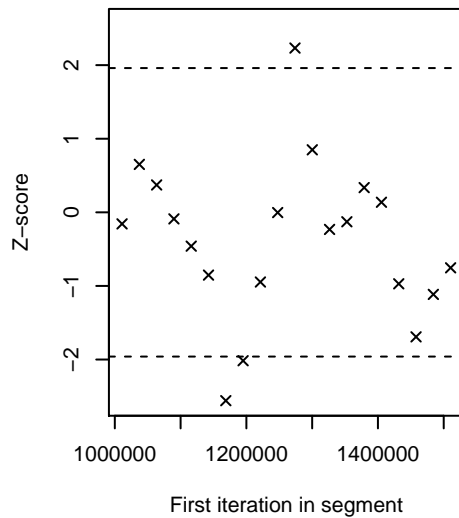
**p[7,1] (chain1)**



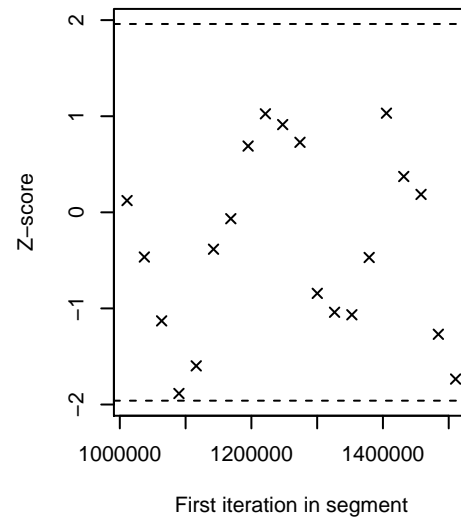
**p[8,1] (chain1)**



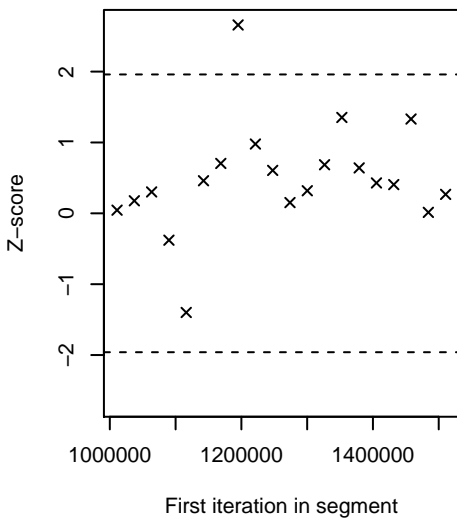
**p[9,1] (chain1)**



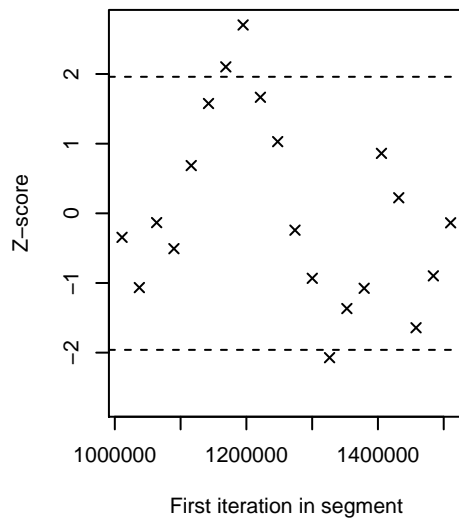
**p[10,1] (chain1)**



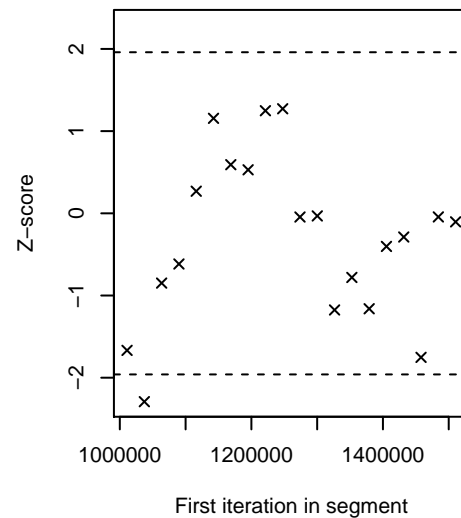
**p[11,1] (chain1)**



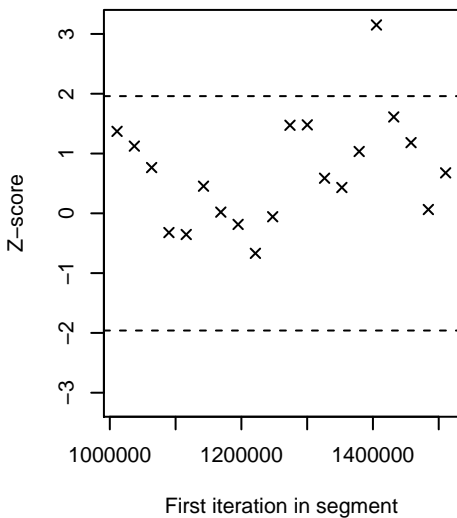
**p[12,1] (chain1)**



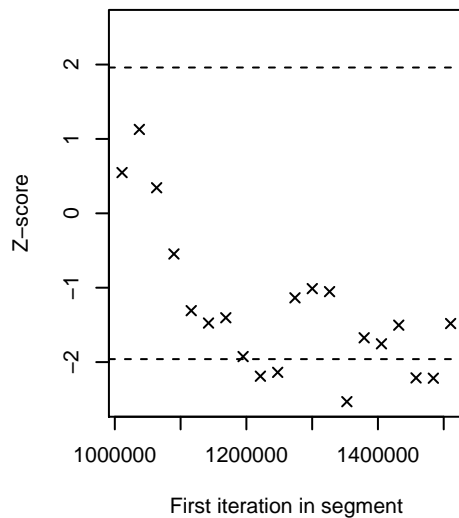
**p[13,1] (chain1)**



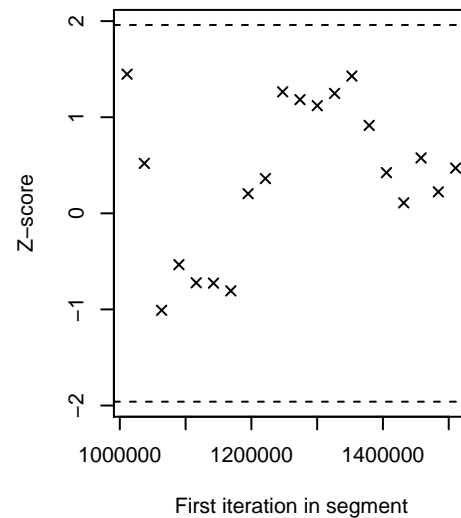
**p[14,1] (chain1)**



**p[15,1] (chain1)**

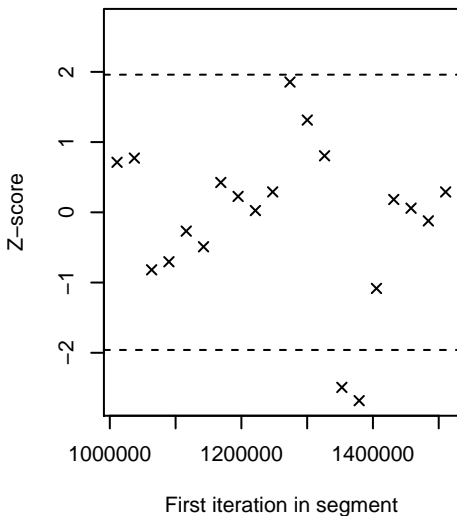


**p[16,1] (chain1)**

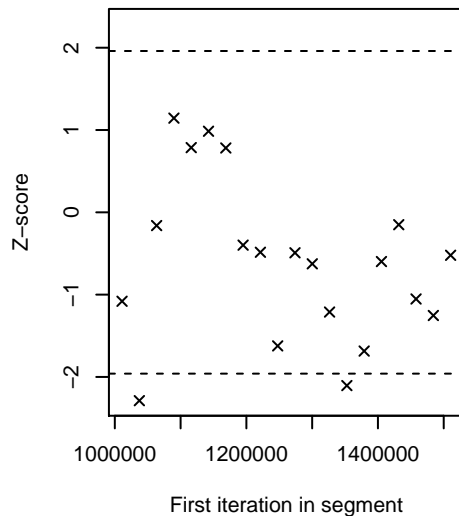




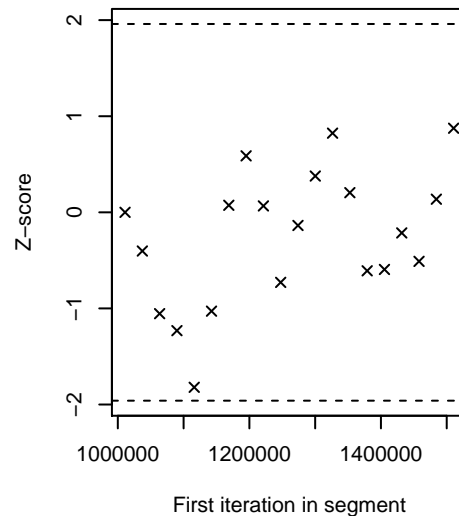
**p[17,1] (chain1)**



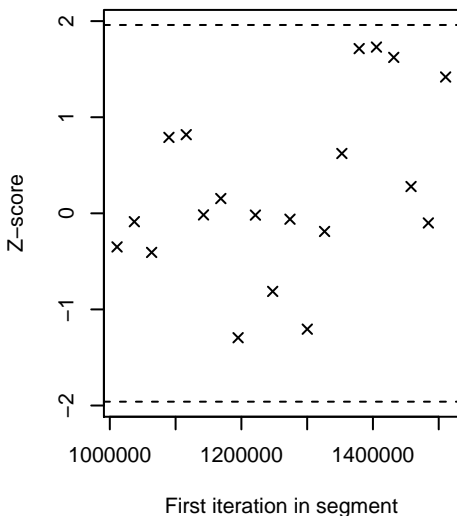
**p[18,1] (chain1)**



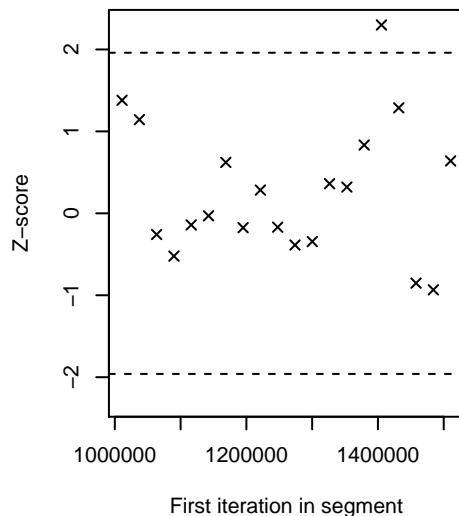
**p[19,1] (chain1)**



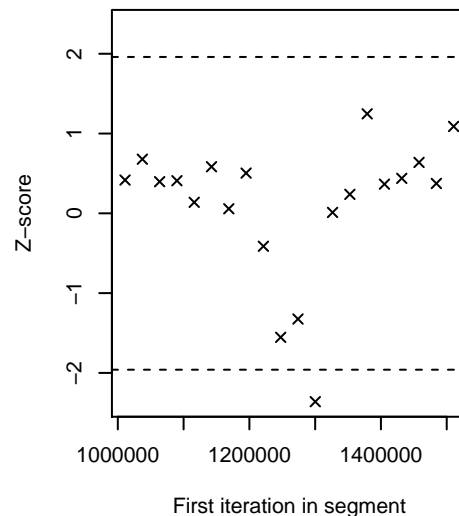
**p[20,1] (chain1)**



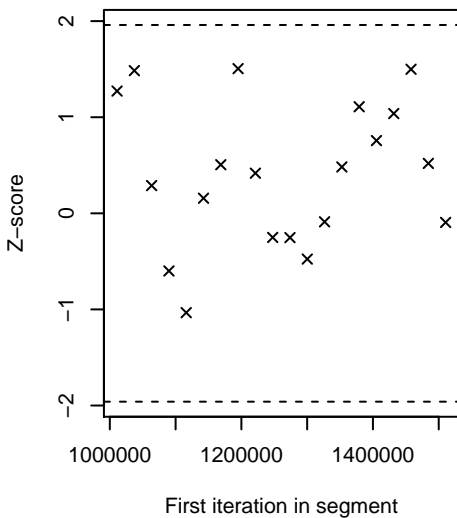
**p[21,1] (chain1)**



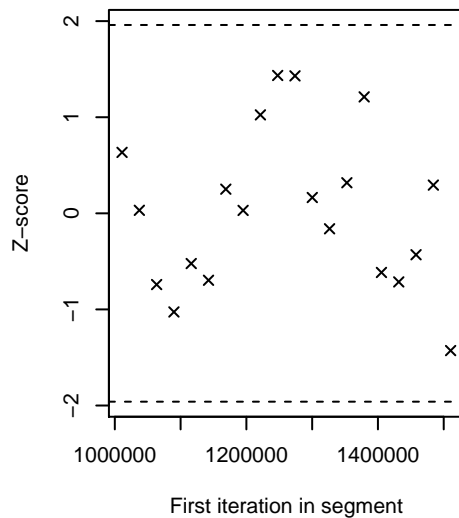
**p[22,1] (chain1)**



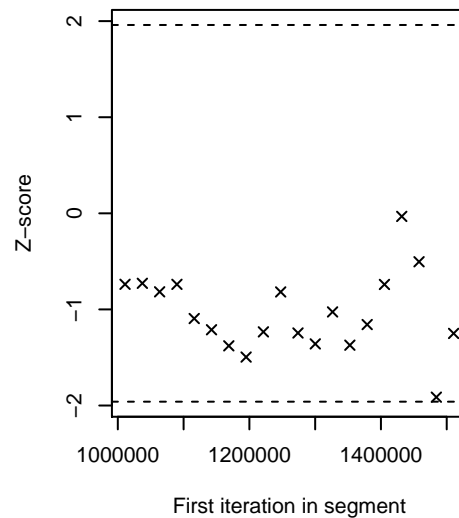
**p[23,1] (chain1)**



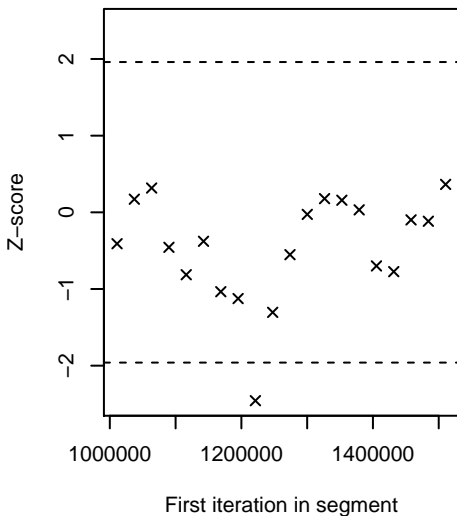
**p[24,1] (chain1)**



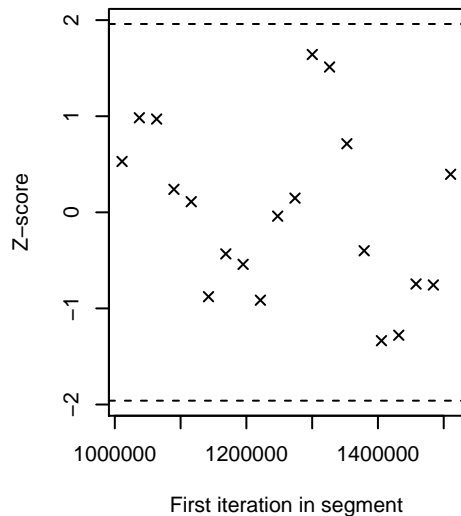
**p[25,1] (chain1)**



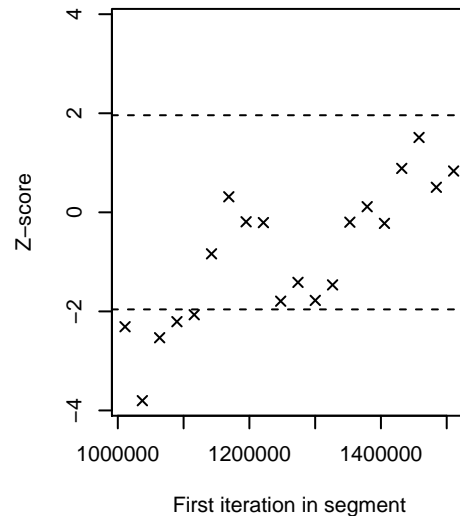
**p[26,1] (chain1)**



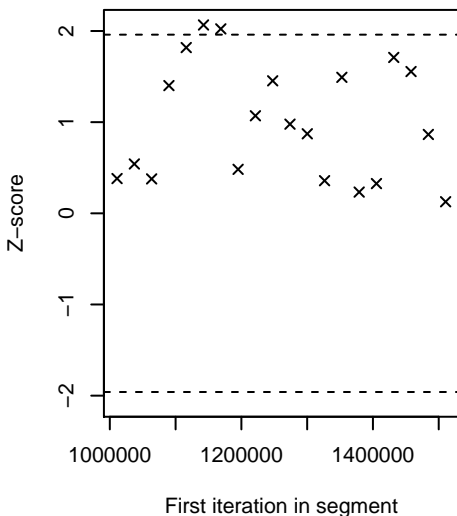
**p[27,1] (chain1)**



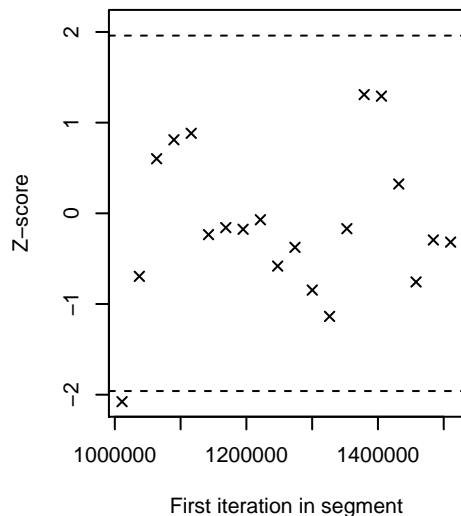
**p[28,1] (chain1)**



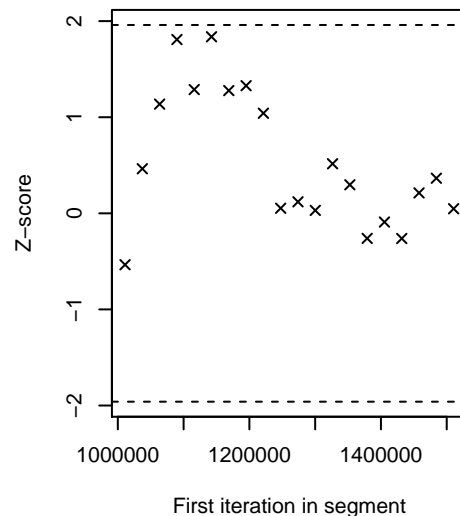
**p[29,1] (chain1)**



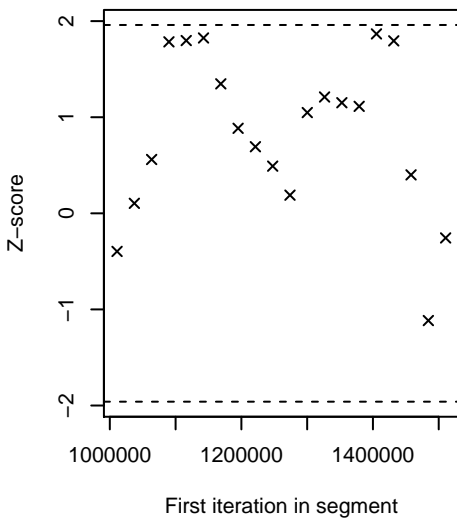
**p[30,1] (chain1)**



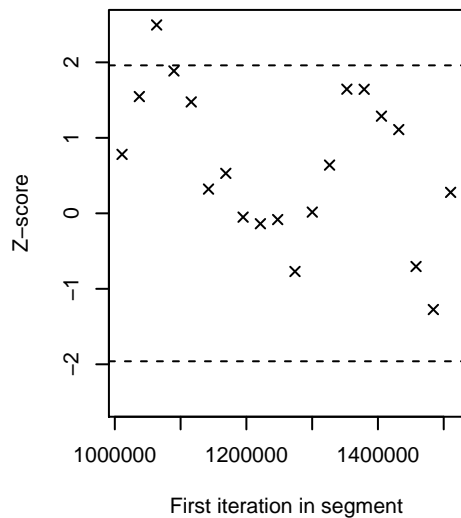
**p[31,1] (chain1)**



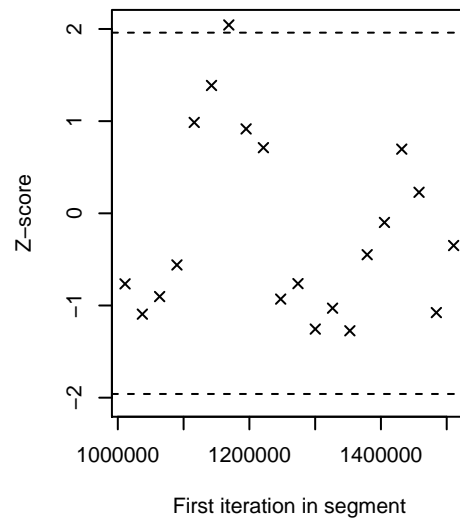
**p[32,1] (chain1)**



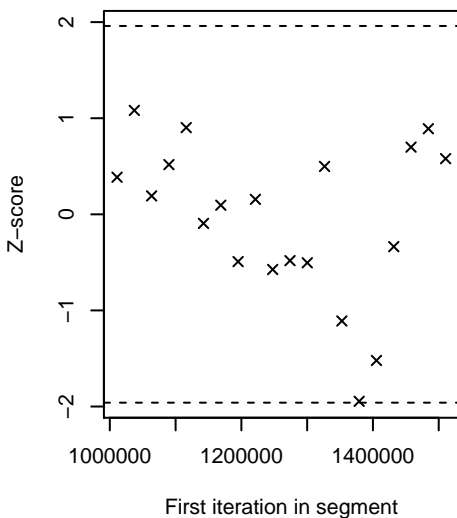
**p[33,1] (chain1)**



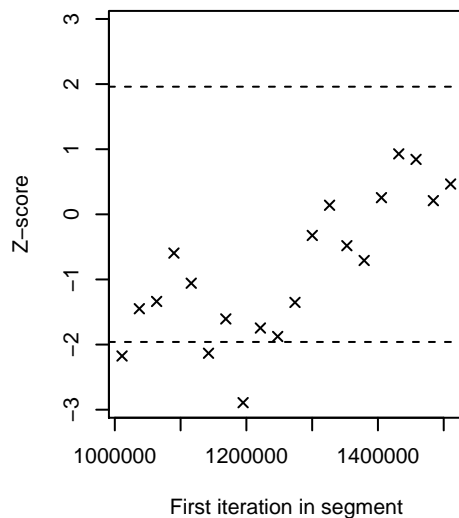
**p[34,1] (chain1)**



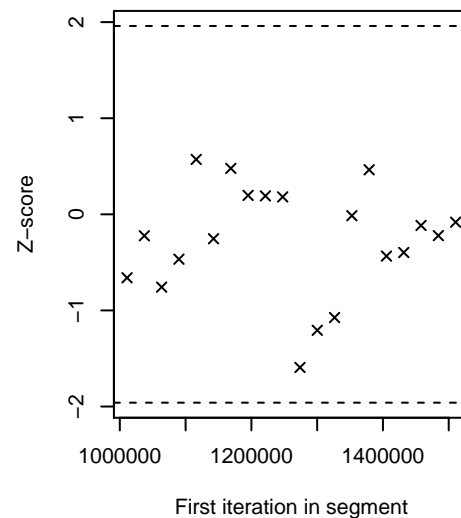
**p[35,1] (chain1)**



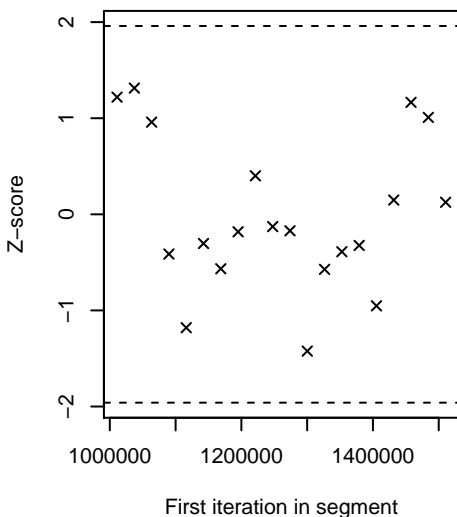
**p[36,1] (chain1)**



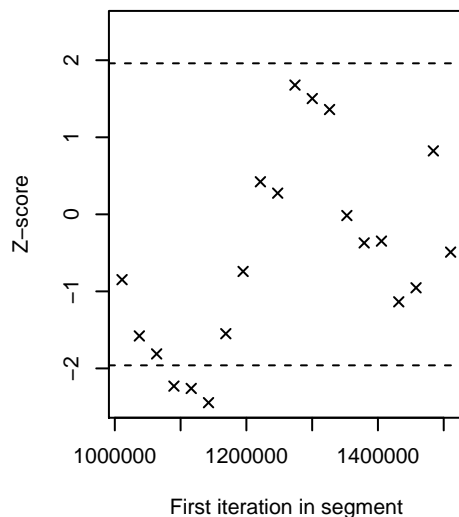
**p[37,1] (chain1)**



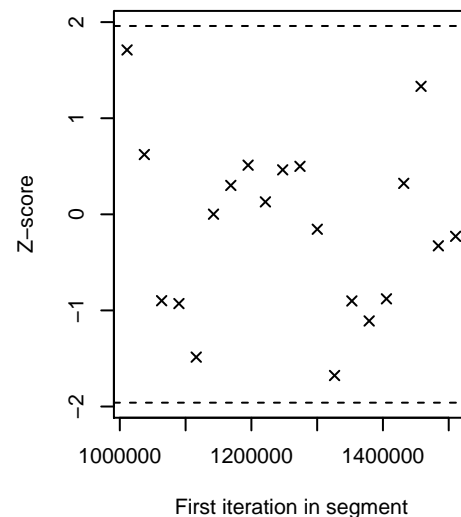
**p[38,1] (chain1)**



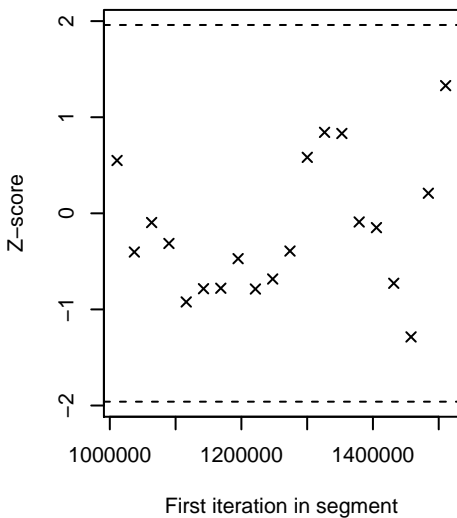
**p[39,1] (chain1)**



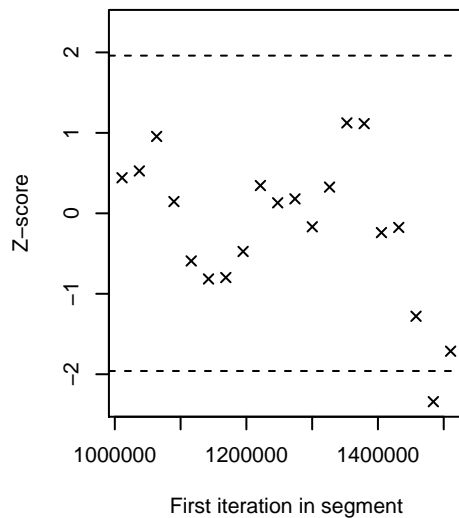
**p[1,2] (chain1)**



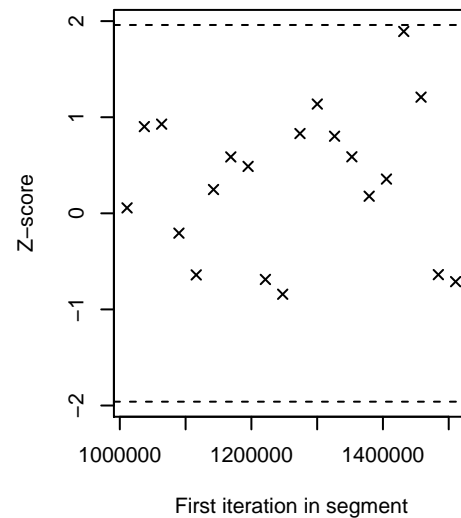
**p[2,2] (chain1)**



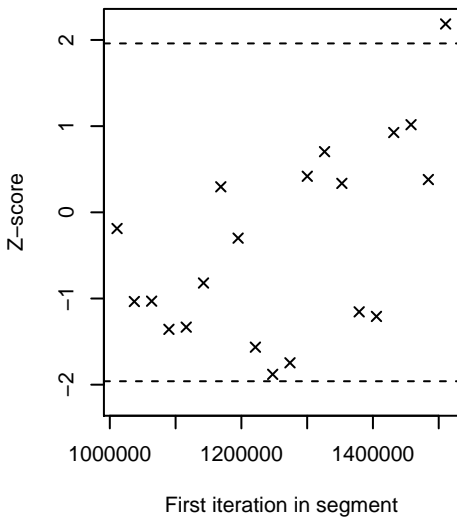
**p[3,2] (chain1)**



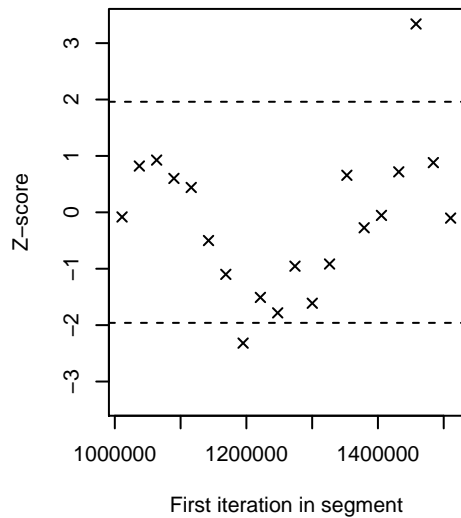
**p[4,2] (chain1)**



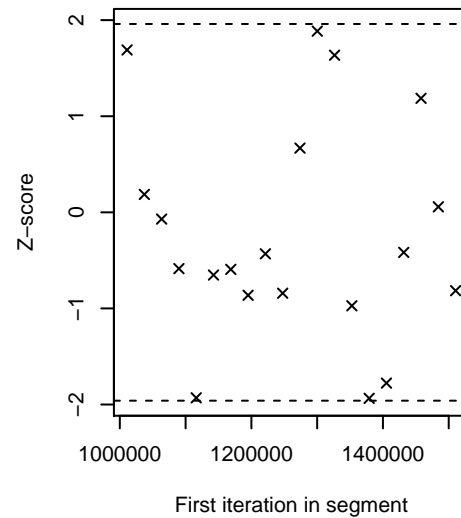
**p[5,2] (chain1)**



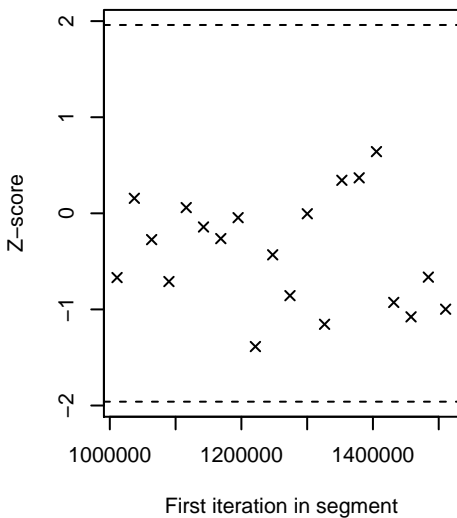
**p[6,2] (chain1)**



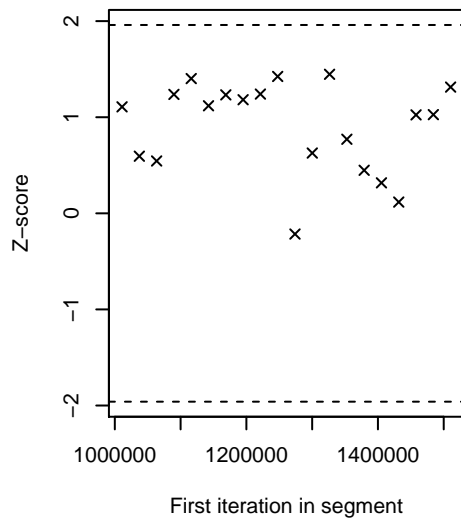
**p[7,2] (chain1)**



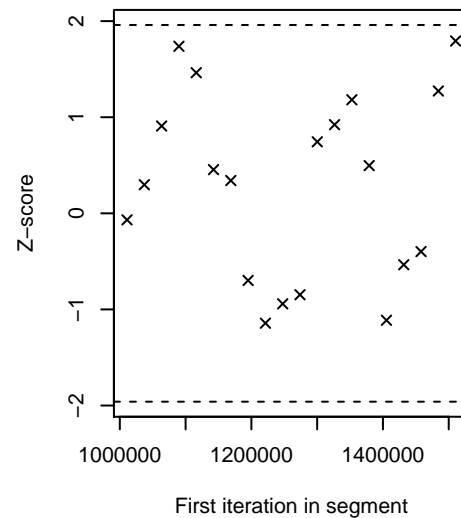
**p[8,2] (chain1)**



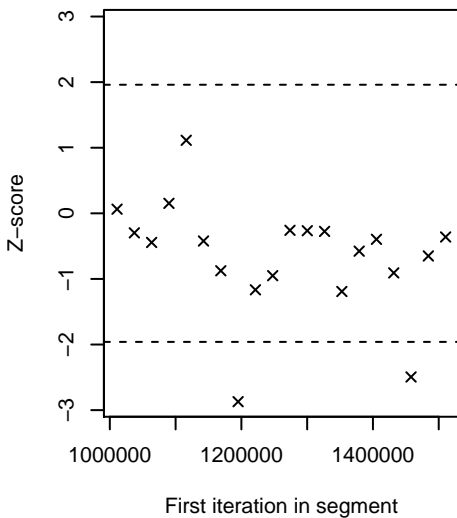
**p[9,2] (chain1)**



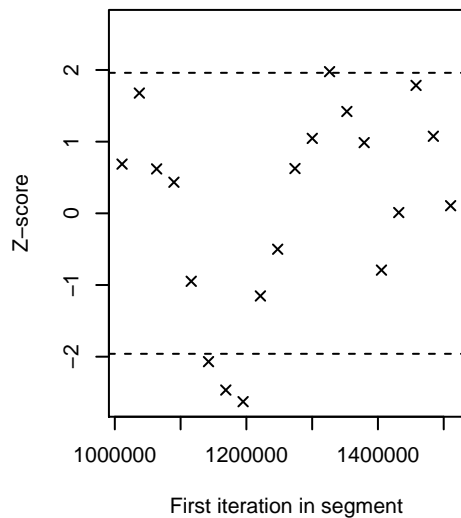
**p[10,2] (chain1)**



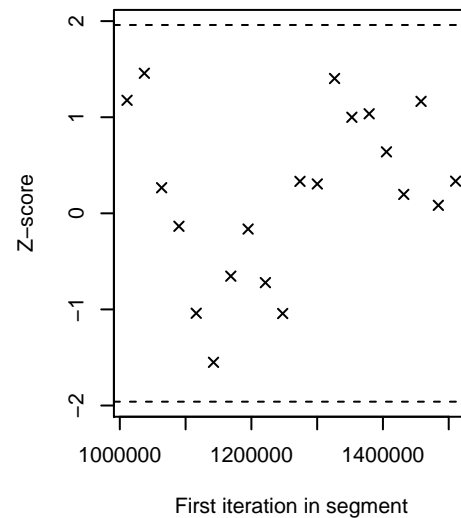
**p[11,2] (chain1)**



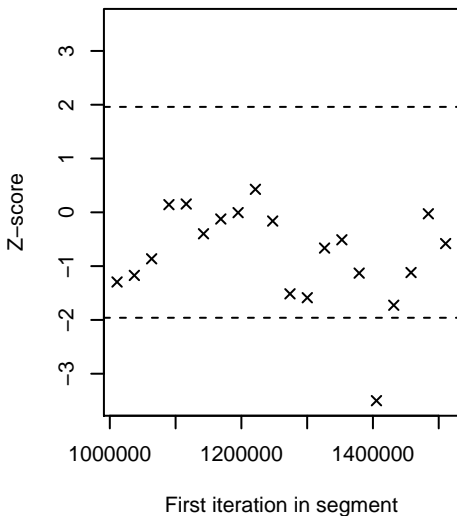
**p[12,2] (chain1)**



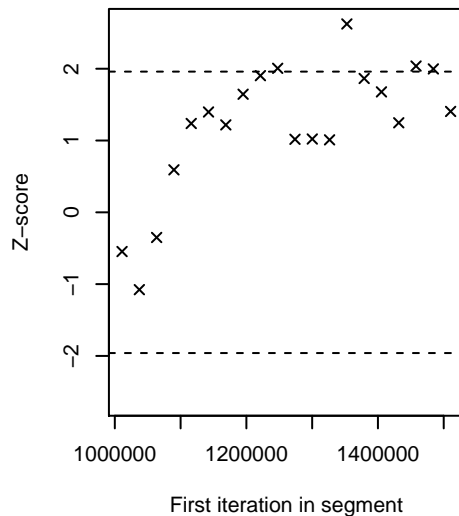
**p[13,2] (chain1)**



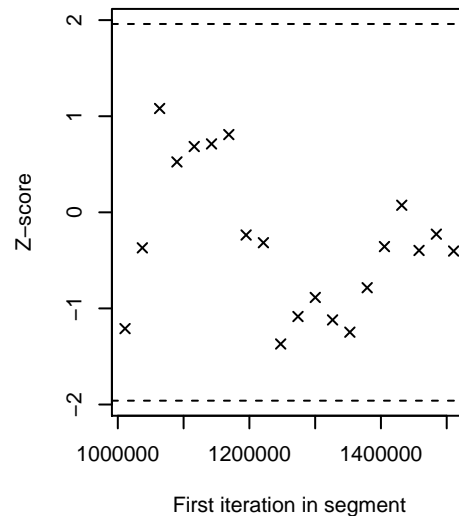
**p[14,2] (chain1)**



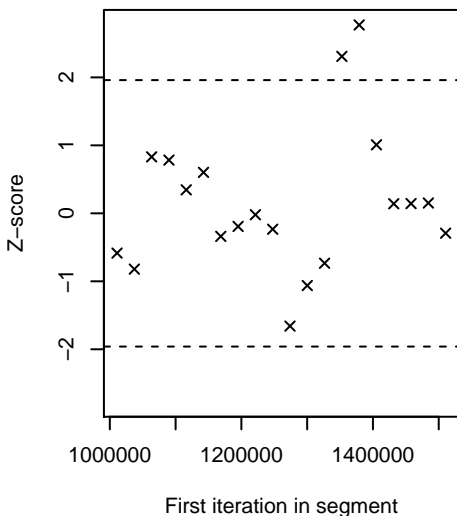
**p[15,2] (chain1)**



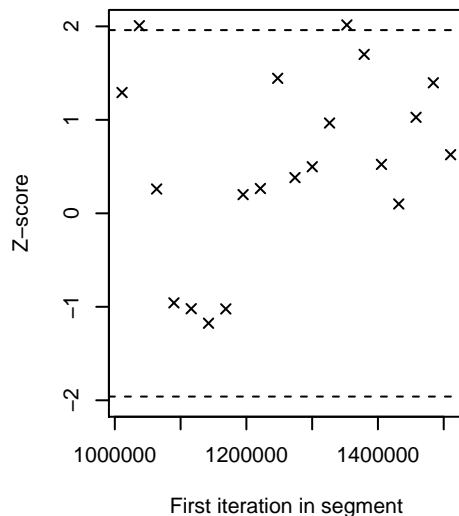
**p[16,2] (chain1)**



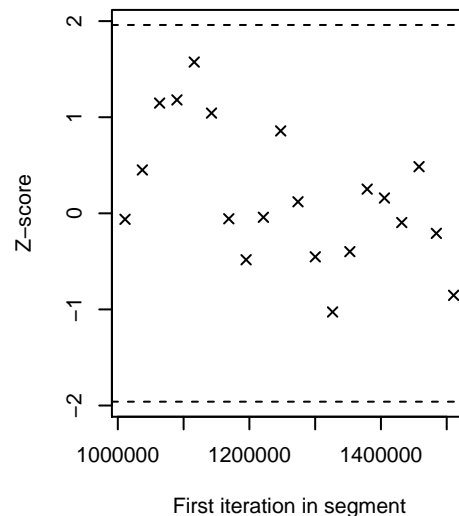
**p[17,2] (chain1)**



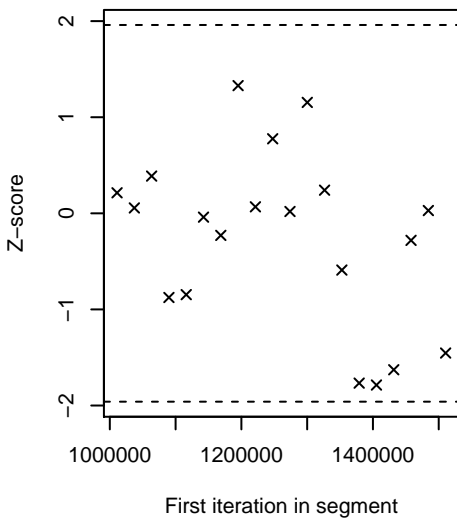
**p[18,2] (chain1)**



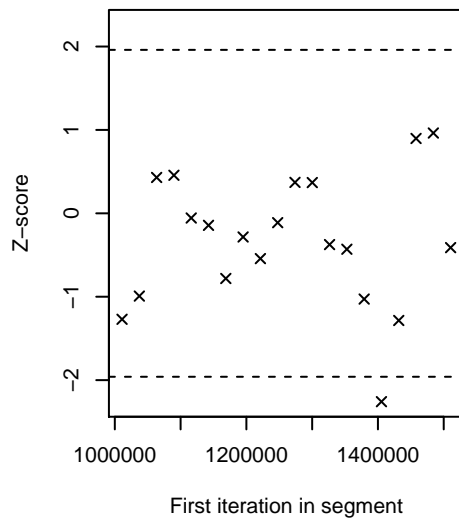
**p[19,2] (chain1)**



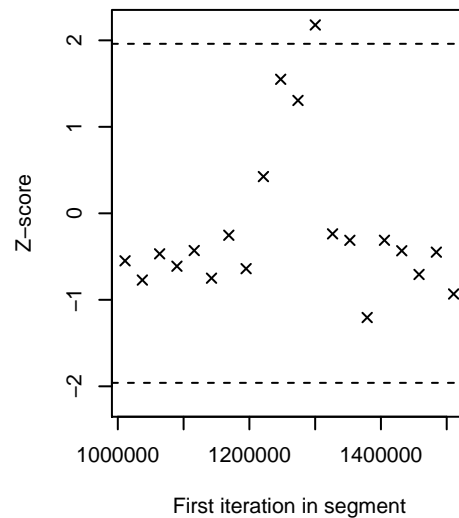
**p[20,2] (chain1)**



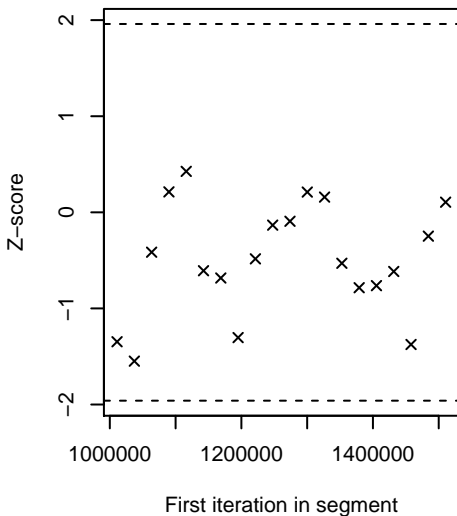
**p[21,2] (chain1)**



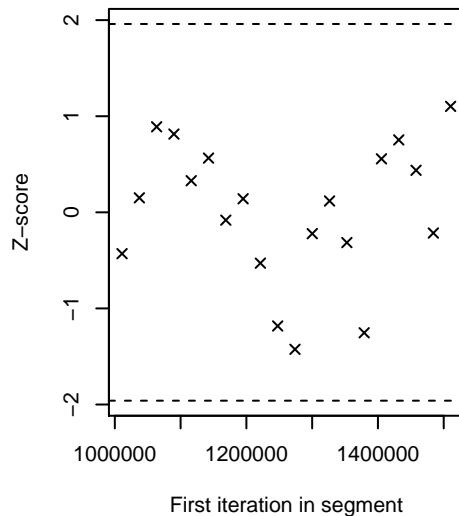
**p[22,2] (chain1)**



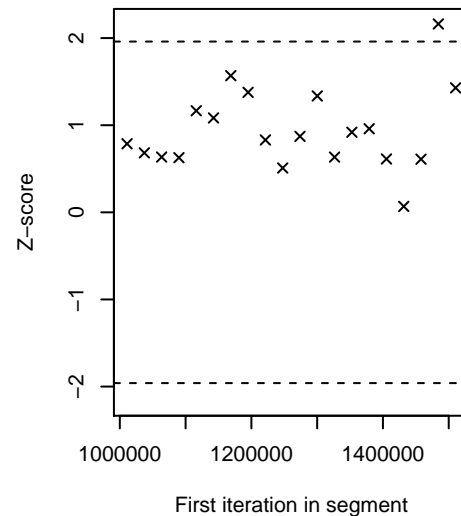
**p[23,2] (chain1)**



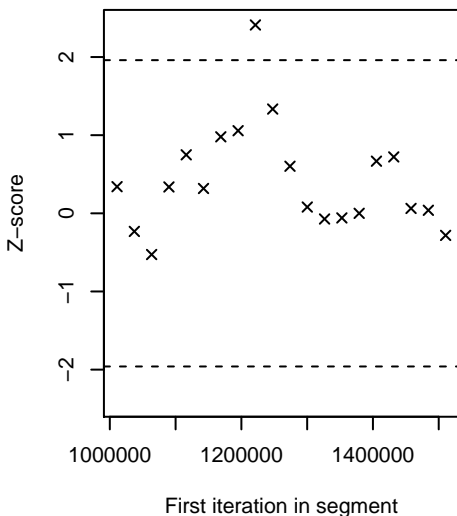
**p[24,2] (chain1)**



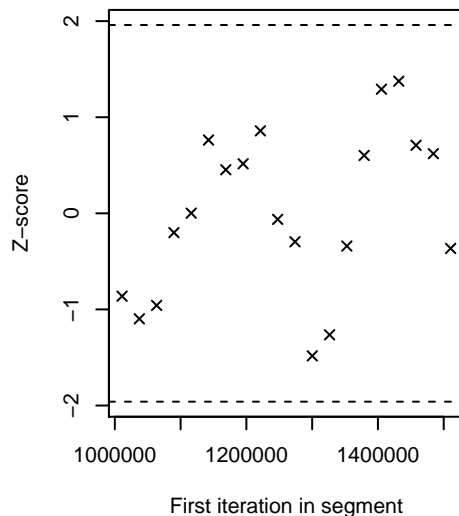
**p[25,2] (chain1)**



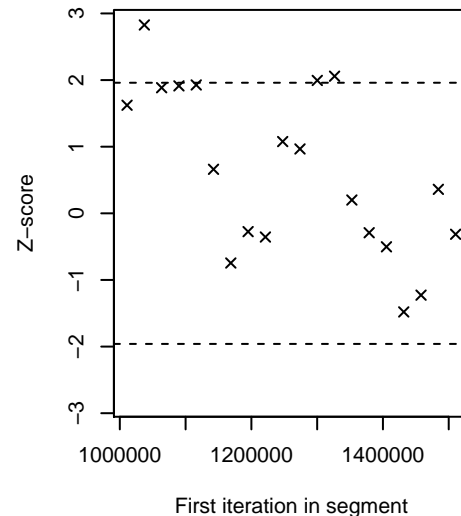
**p[26,2] (chain1)**



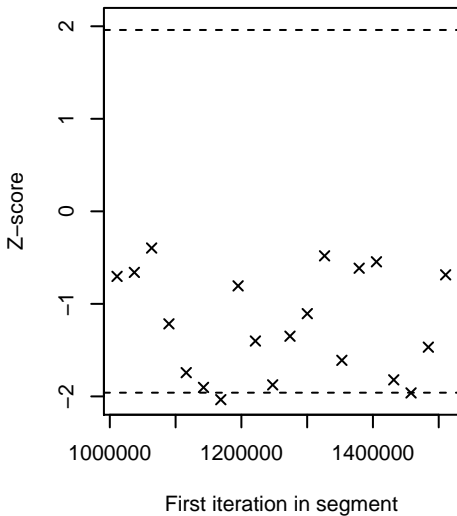
**p[27,2] (chain1)**



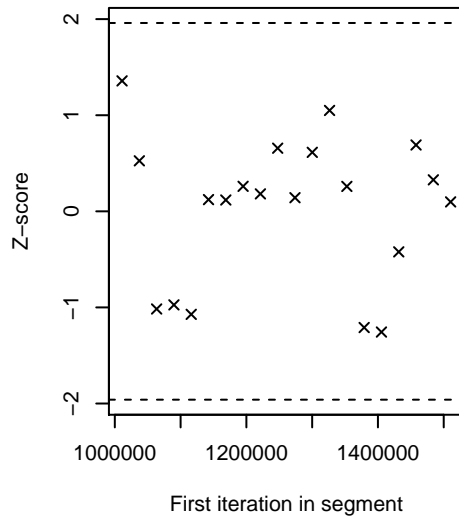
**p[28,2] (chain1)**



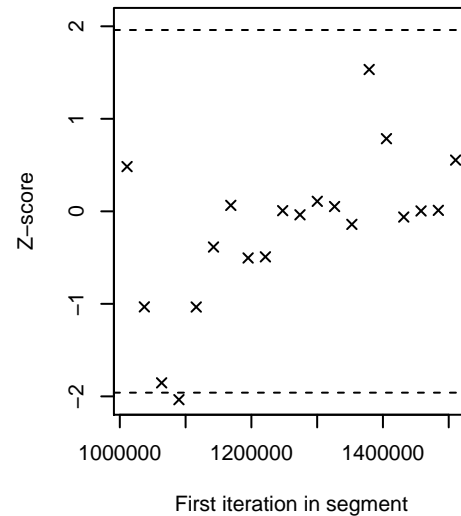
**p[29,2] (chain1)**



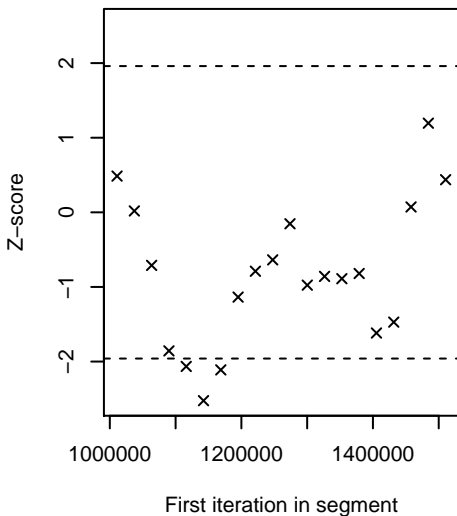
**p[30,2] (chain1)**



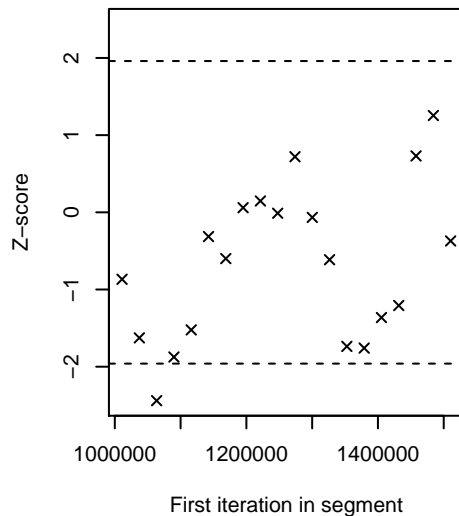
**p[31,2] (chain1)**



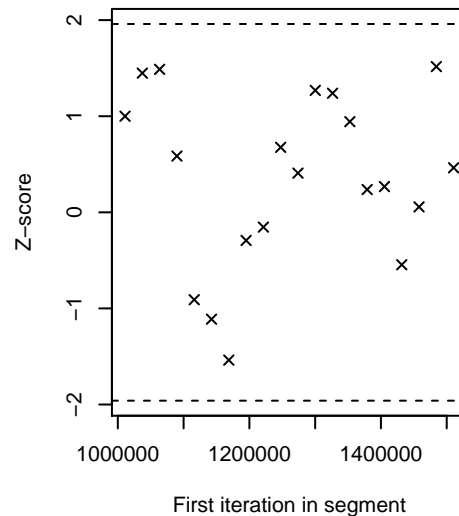
**p[32,2] (chain1)**



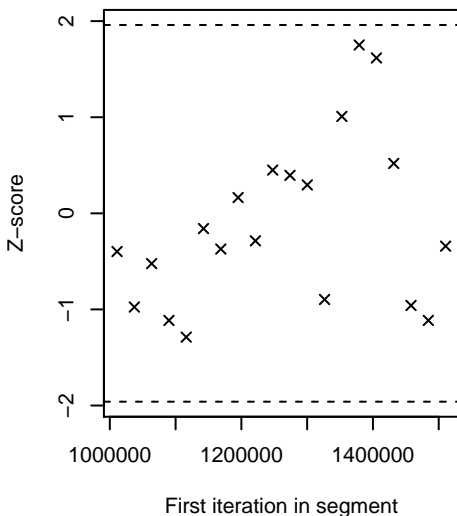
**p[33,2] (chain1)**



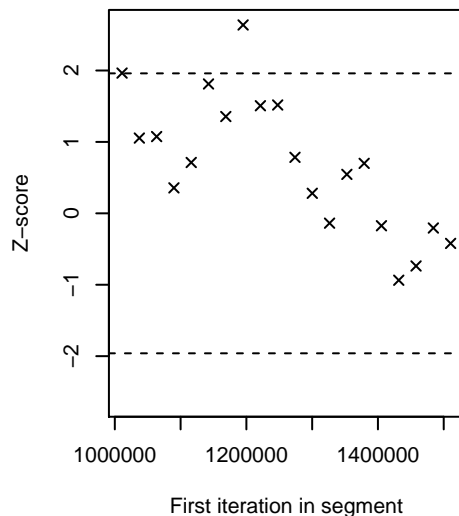
**p[34,2] (chain1)**



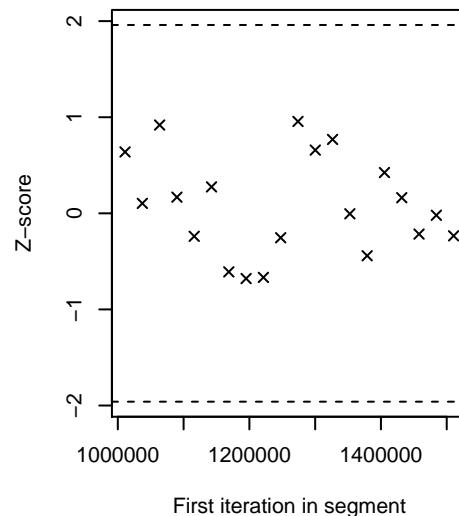
**p[35,2] (chain1)**



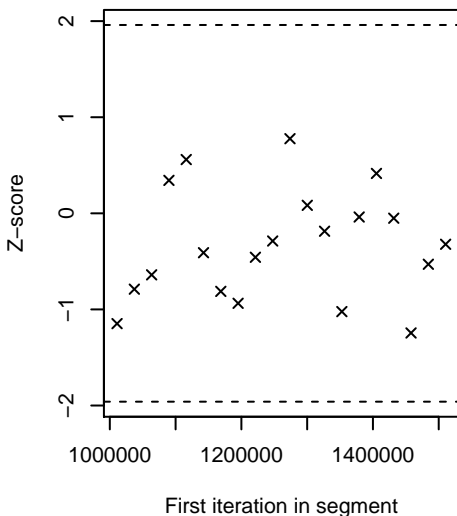
**p[36,2] (chain1)**



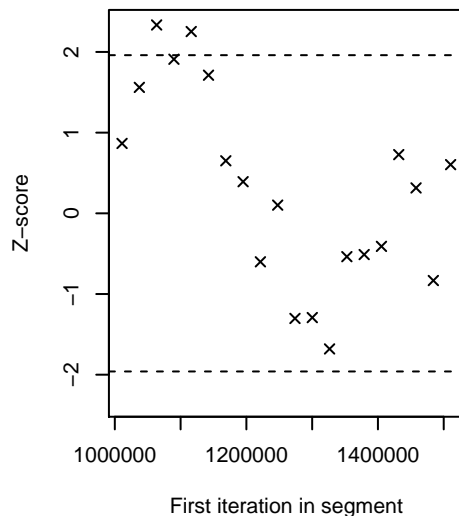
**p[37,2] (chain1)**



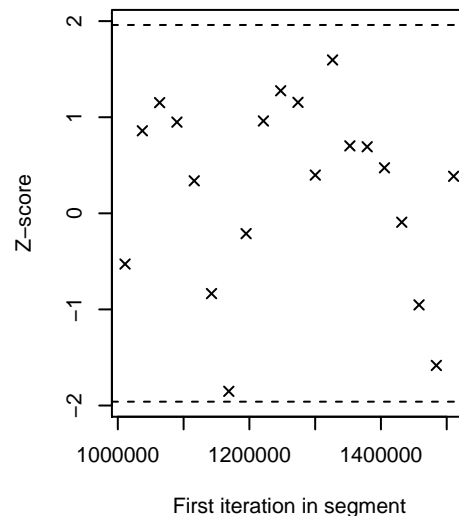
**p[38,2] (chain1)**



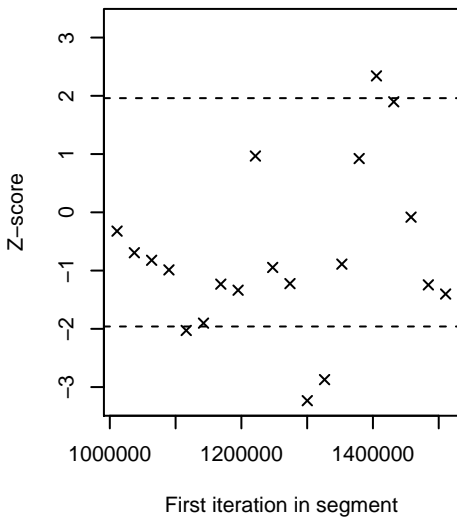
**p[39,2] (chain1)**



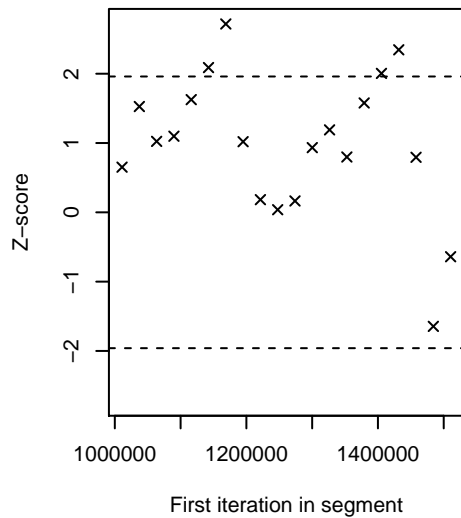
**p[1,3] (chain1)**



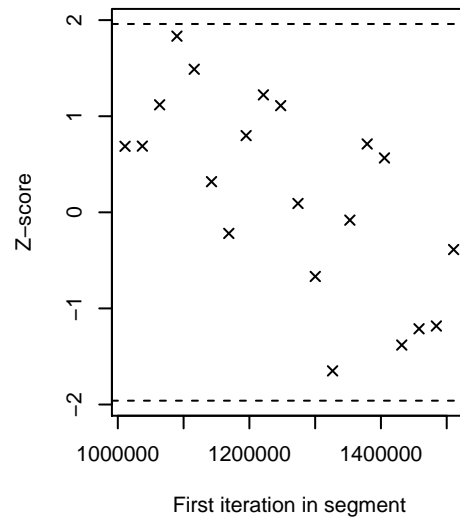
**p[2,3] (chain1)**



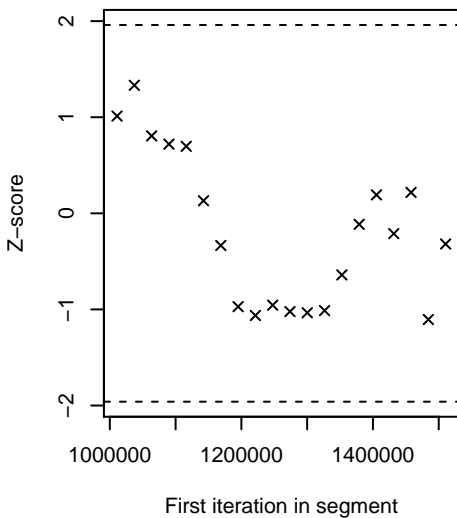
**p[3,3] (chain1)**



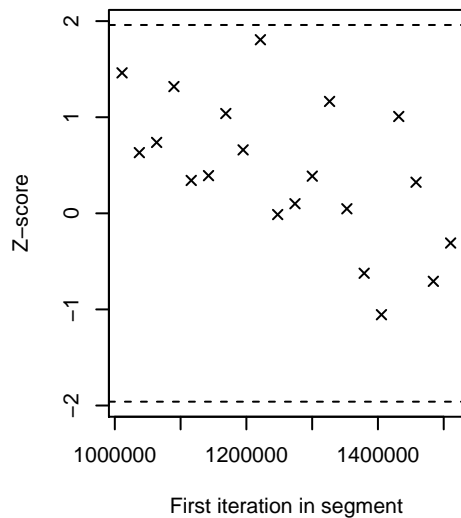
**p[4,3] (chain1)**



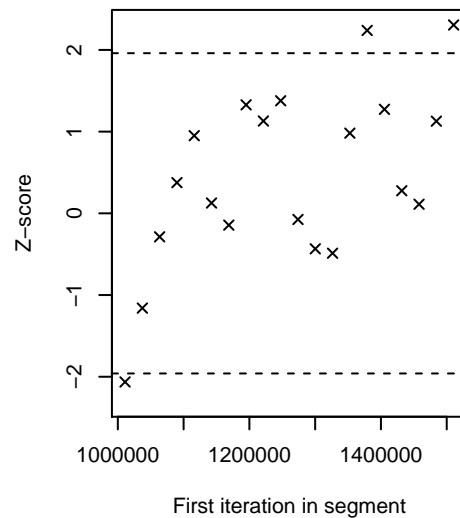
**p[5,3] (chain1)**



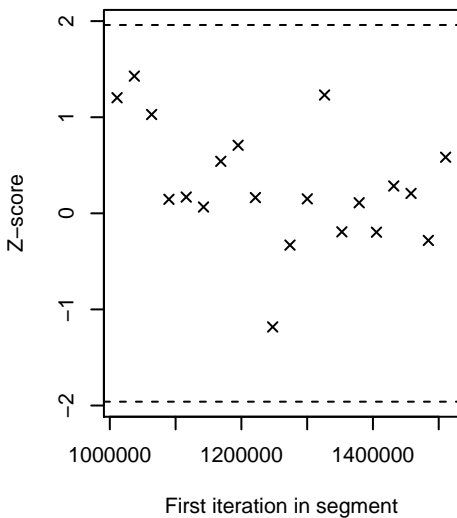
**p[6,3] (chain1)**



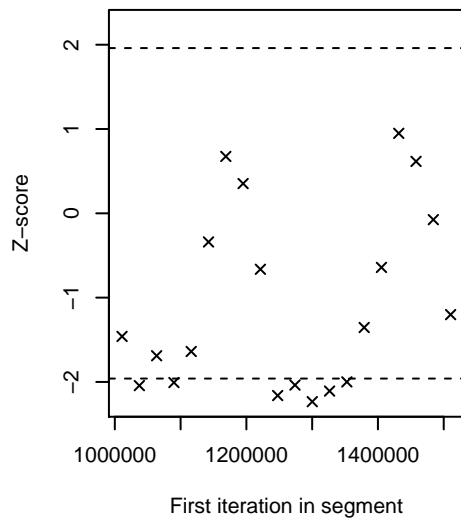
**p[7,3] (chain1)**



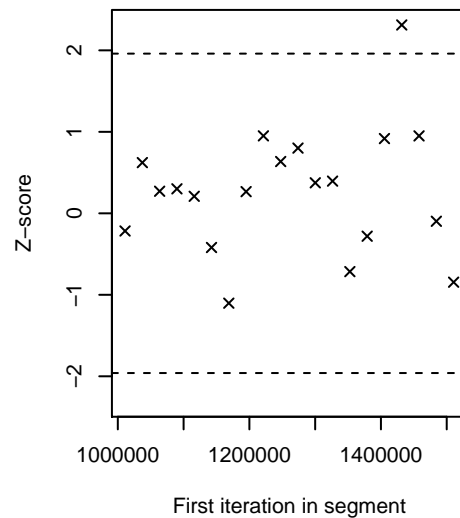
**p[8,3] (chain1)**



**p[9,3] (chain1)**

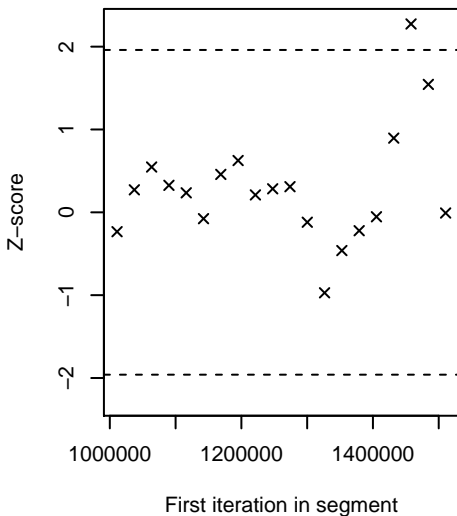


**p[10,3] (chain1)**

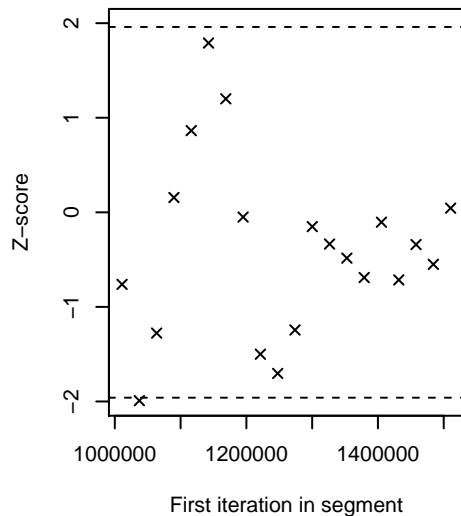




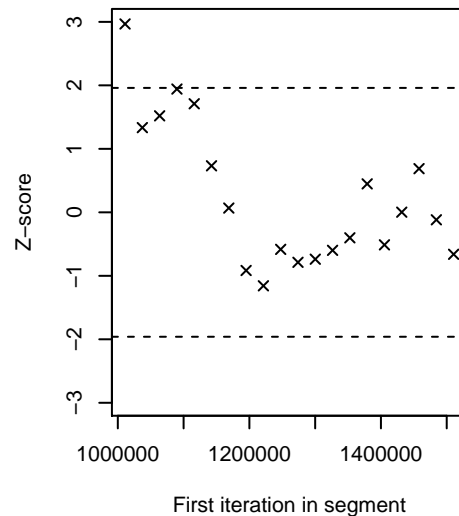
**p[11,3] (chain1)**



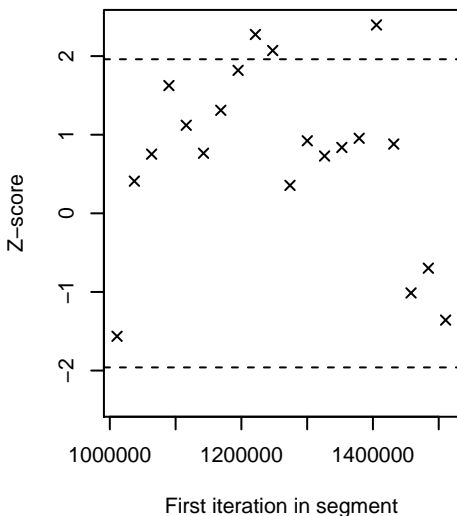
**p[12,3] (chain1)**



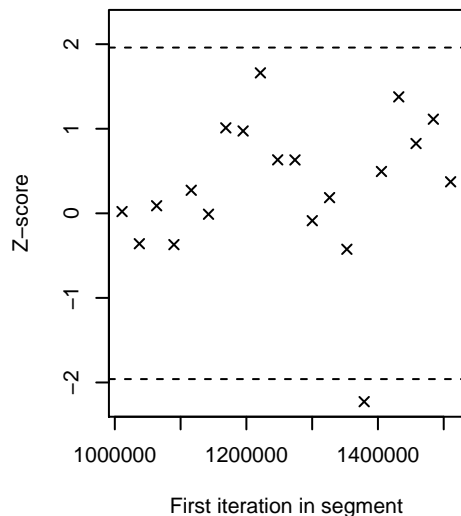
**p[13,3] (chain1)**



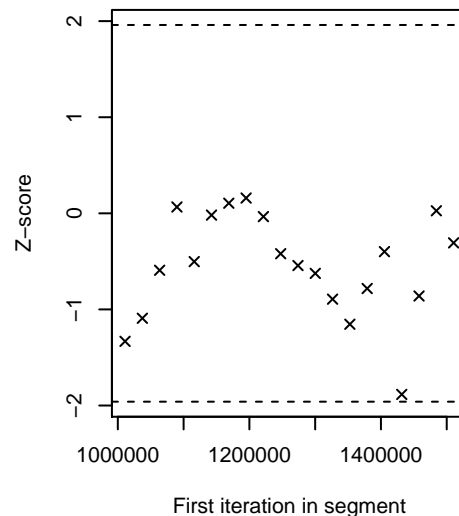
**p[14,3] (chain1)**



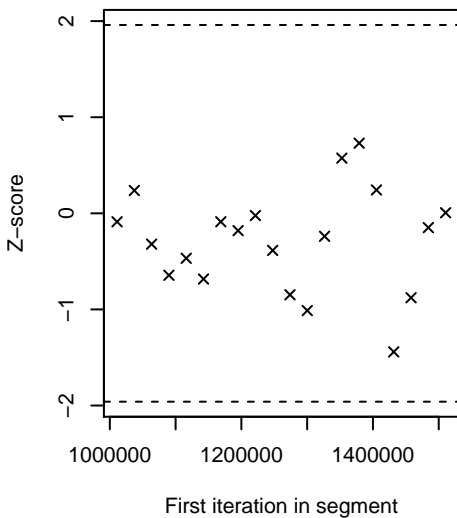
**p[15,3] (chain1)**



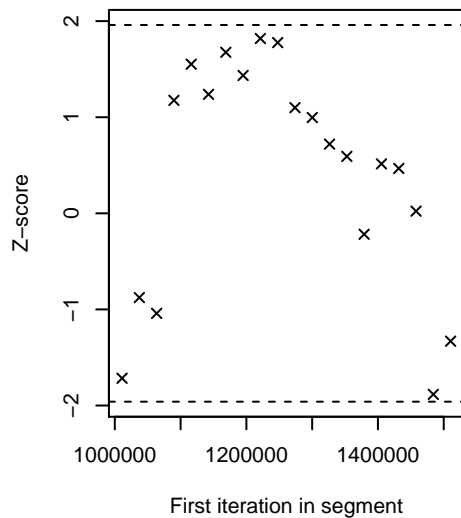
**p[16,3] (chain1)**



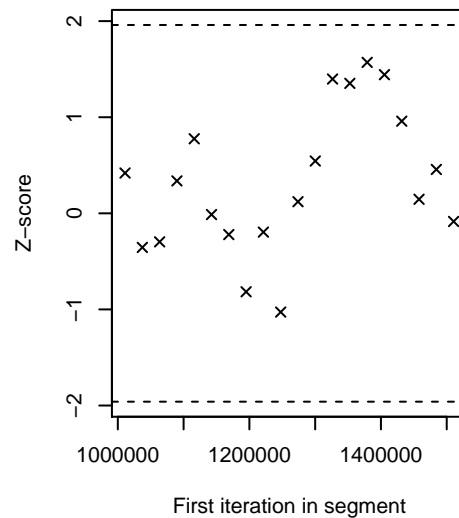
**p[17,3] (chain1)**



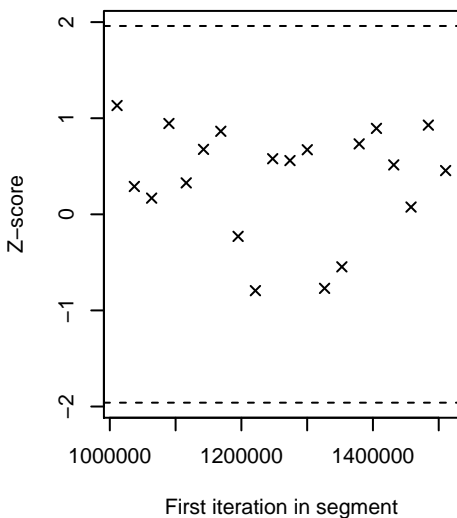
**p[18,3] (chain1)**



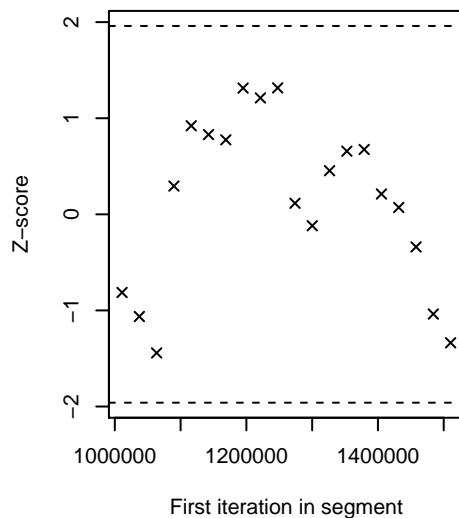
**p[19,3] (chain1)**



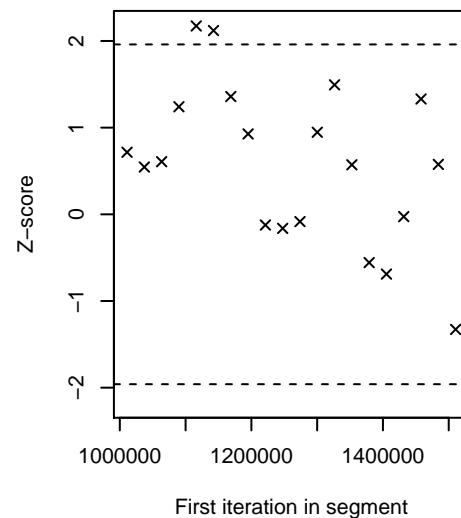
**p[20,3] (chain1)**



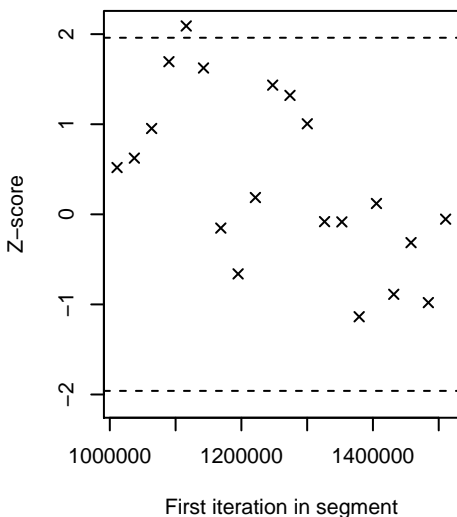
**p[21,3] (chain1)**



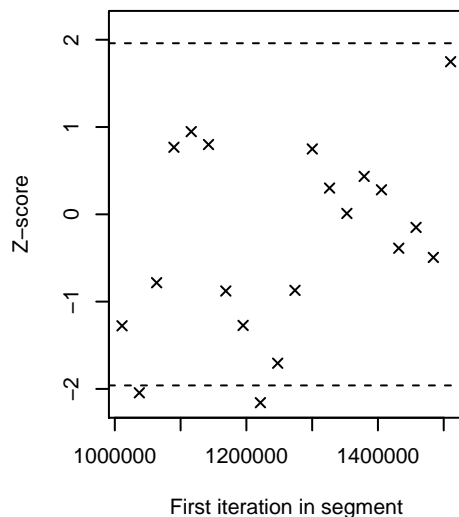
**p[22,3] (chain1)**



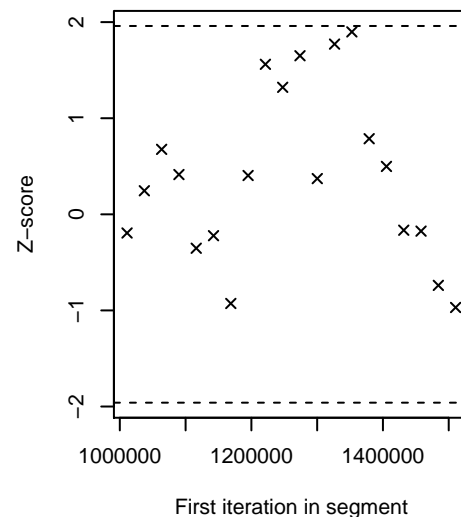
**p[23,3] (chain1)**



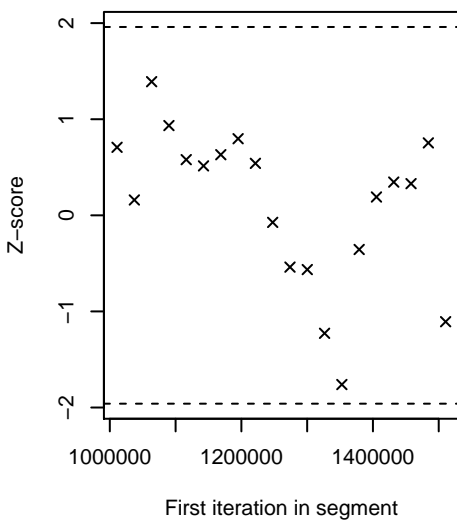
**p[24,3] (chain1)**



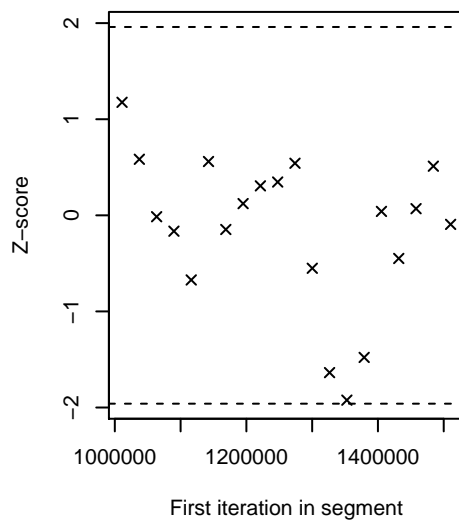
**p[25,3] (chain1)**



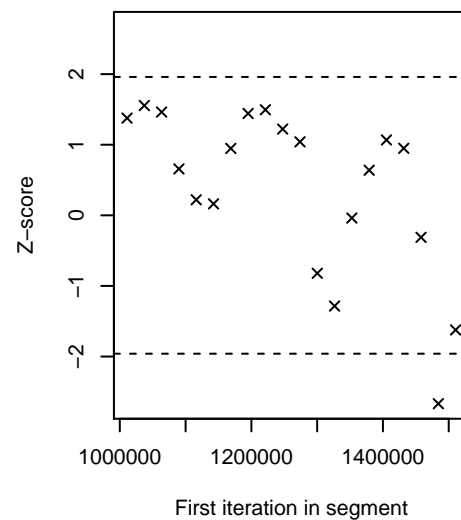
**p[26,3] (chain1)**



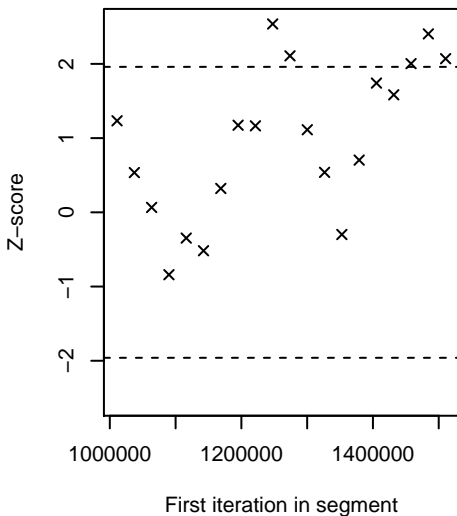
**p[27,3] (chain1)**



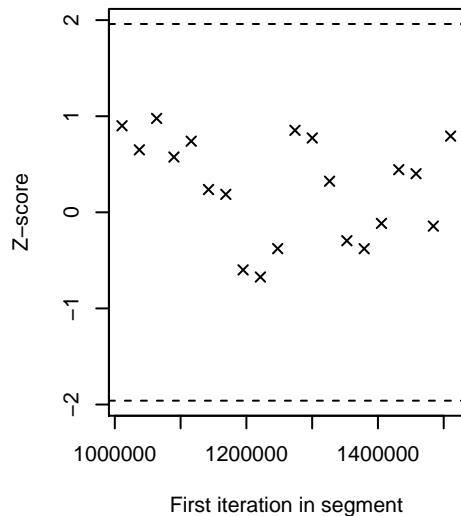
**p[28,3] (chain1)**



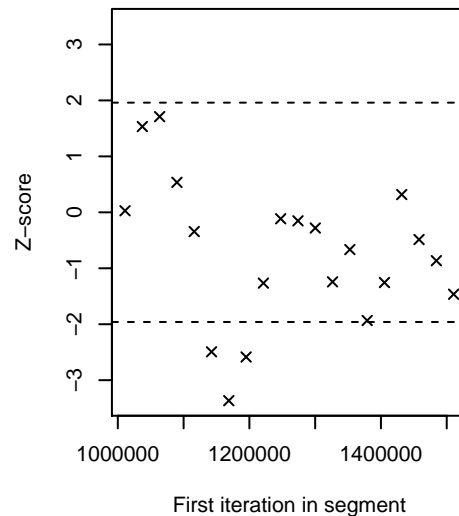
**p[29,3] (chain1)**



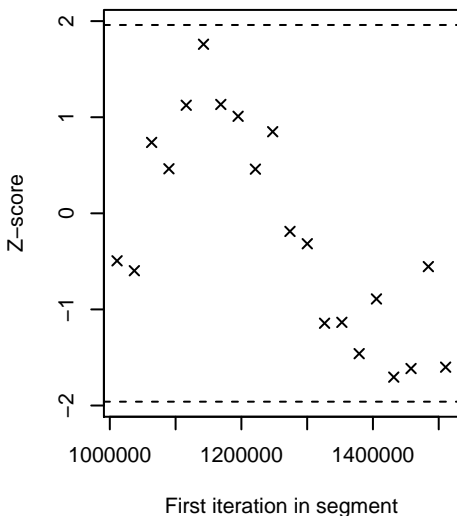
**p[30,3] (chain1)**



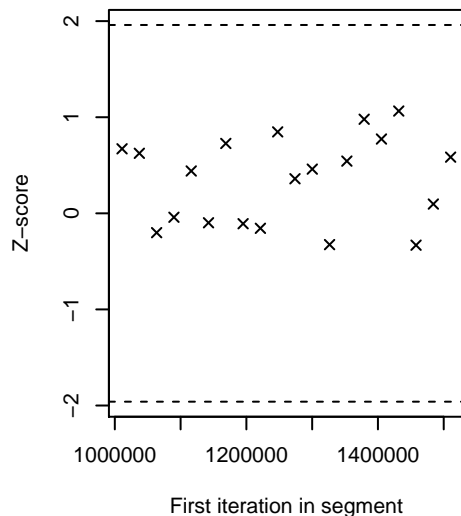
**p[31,3] (chain1)**



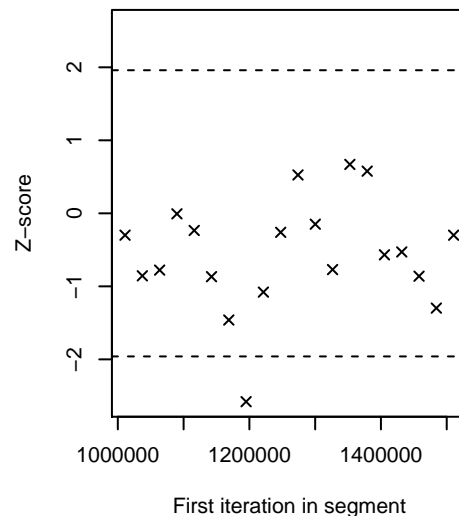
**p[32,3] (chain1)**



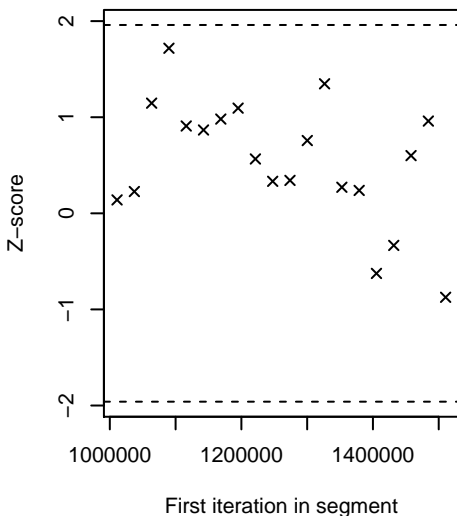
**p[33,3] (chain1)**



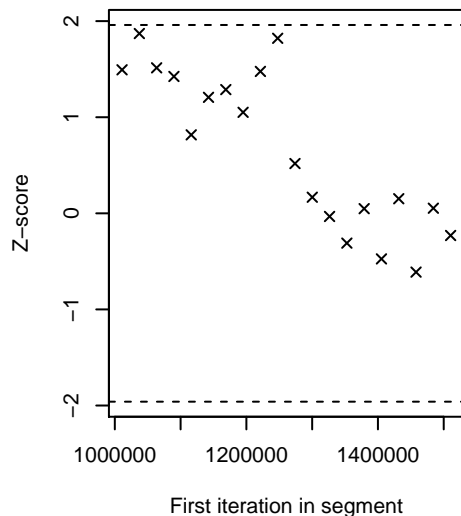
**p[34,3] (chain1)**



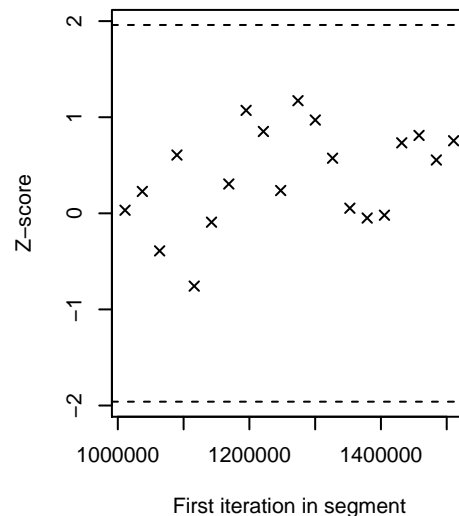
**p[35,3] (chain1)**



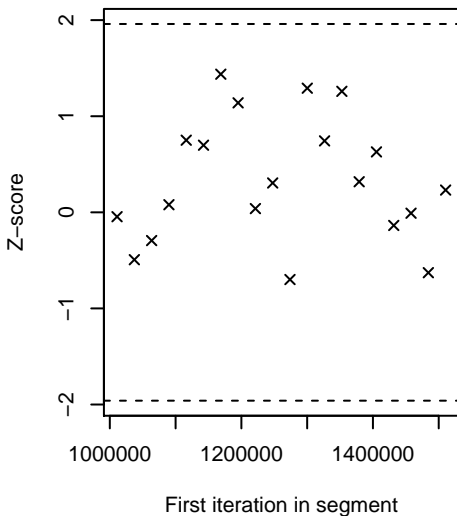
**p[36,3] (chain1)**



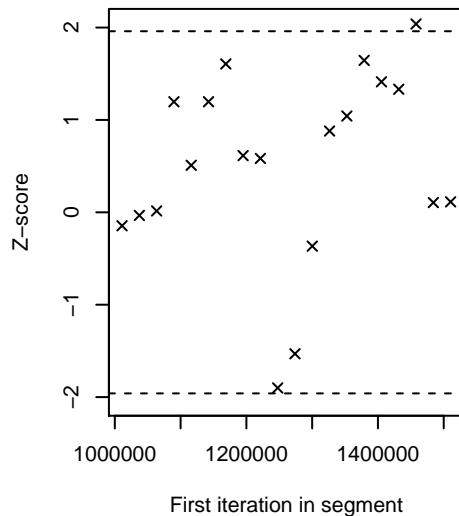
**p[37,3] (chain1)**



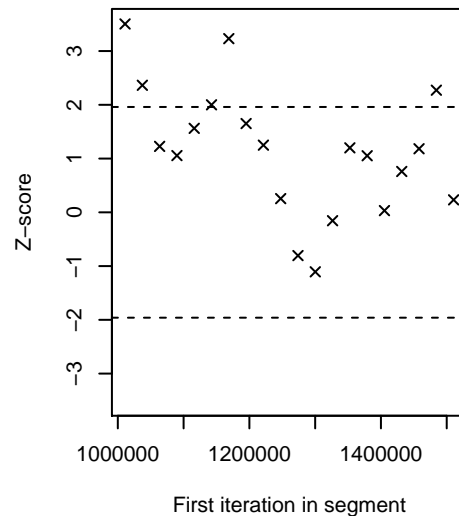
**p[38,3] (chain1)**



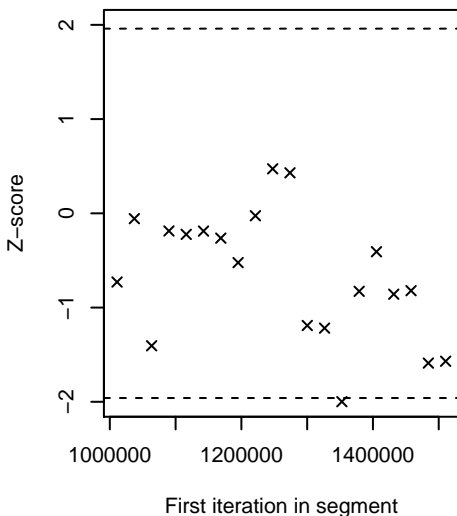
**p[39,3] (chain1)**



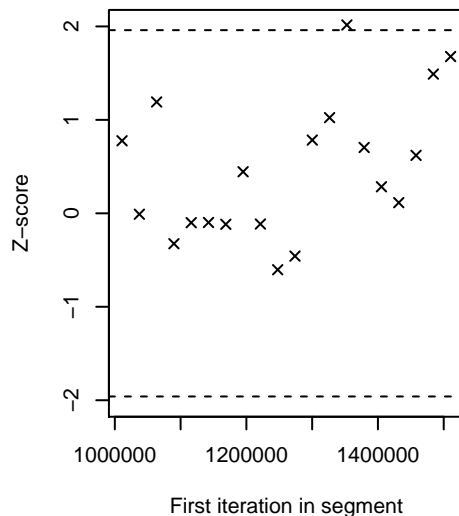
**phi (chain1)**



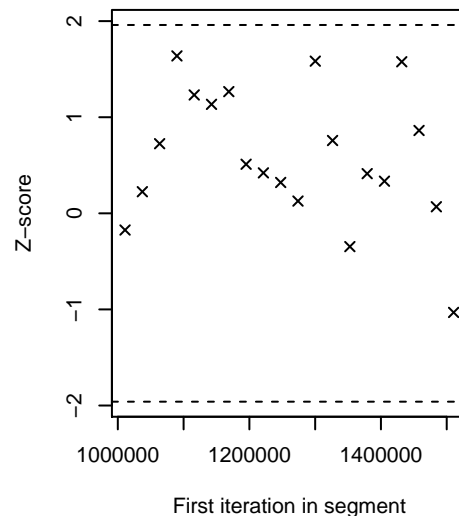
**pi[1] (chain1)**



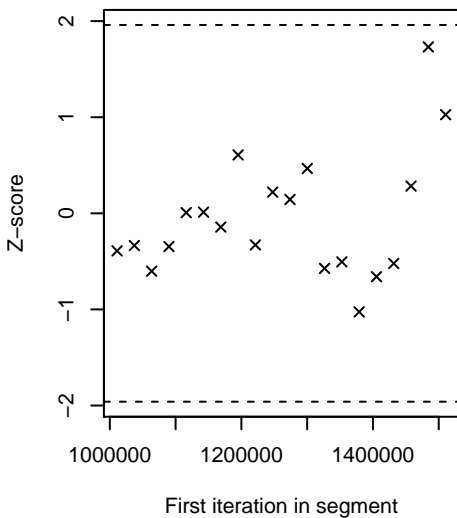
**pi[2] (chain1)**



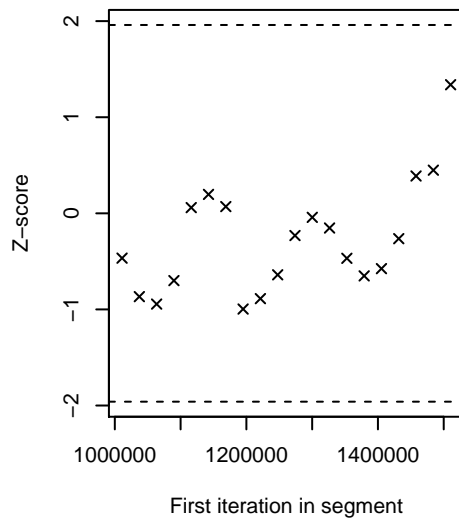
**pi[3] (chain1)**



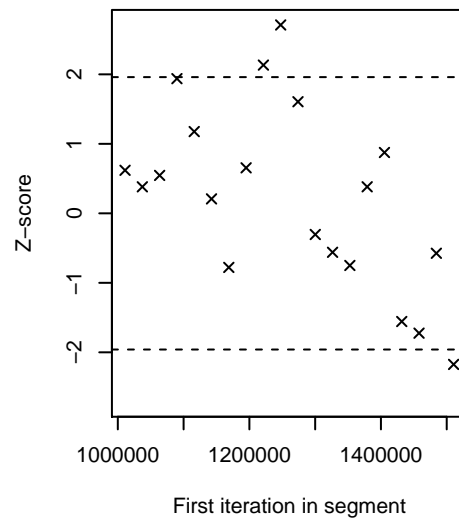
**q[1,1] (chain1)**



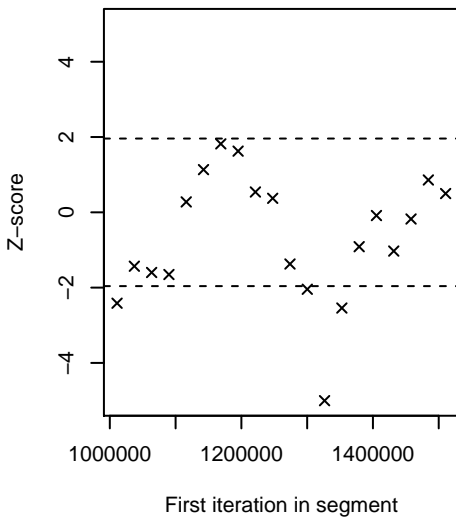
**q[2,1] (chain1)**



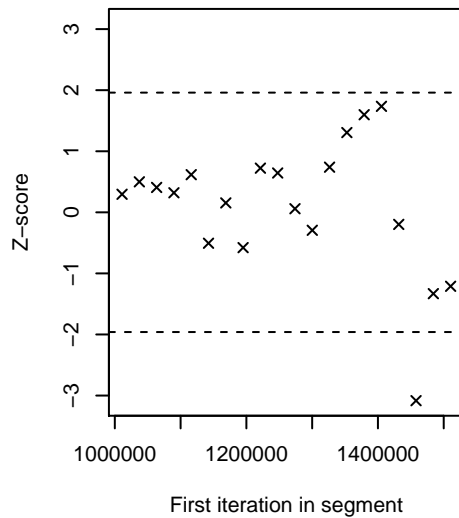
**q[3,1] (chain1)**



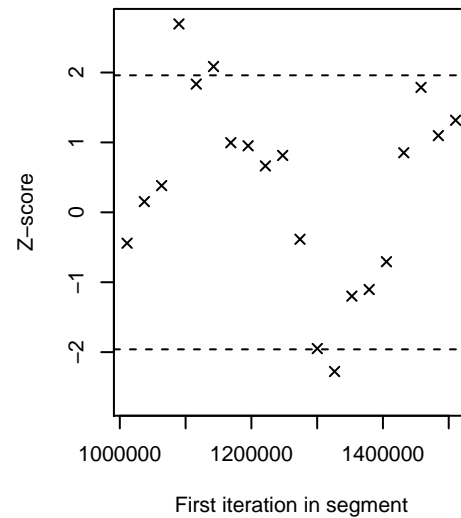
**q[4,1] (chain1)**



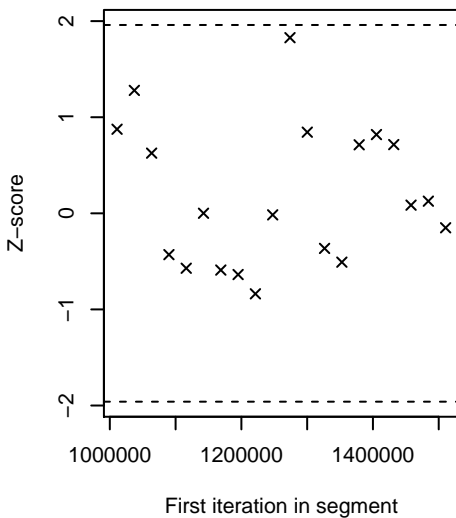
**q[5,1] (chain1)**



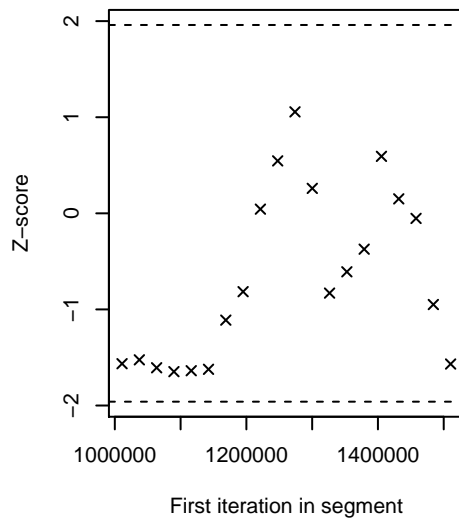
**q[6,1] (chain1)**



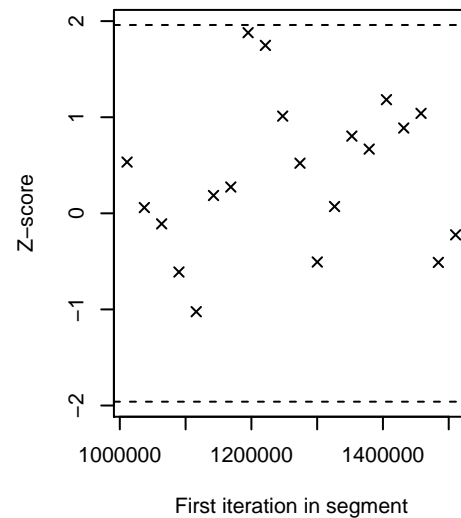
**q[7,1] (chain1)**



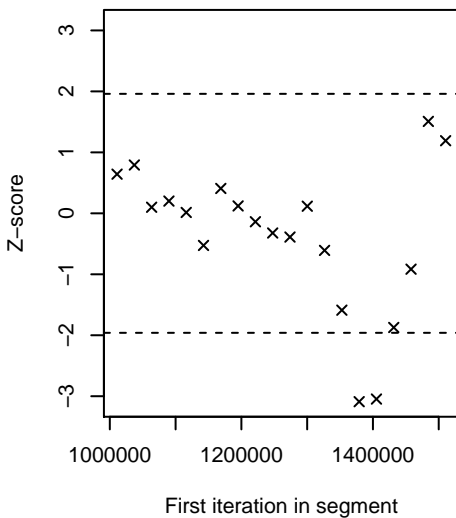
**q[8,1] (chain1)**



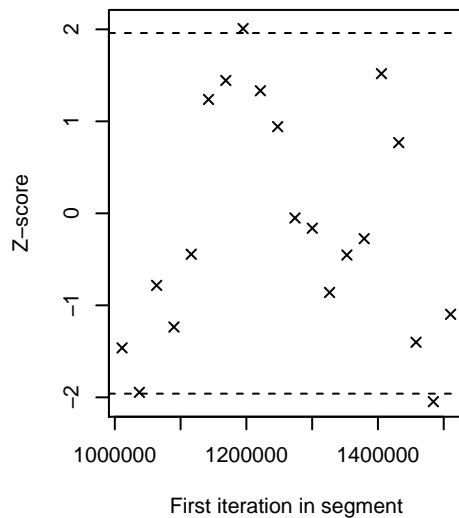
**q[9,1] (chain1)**



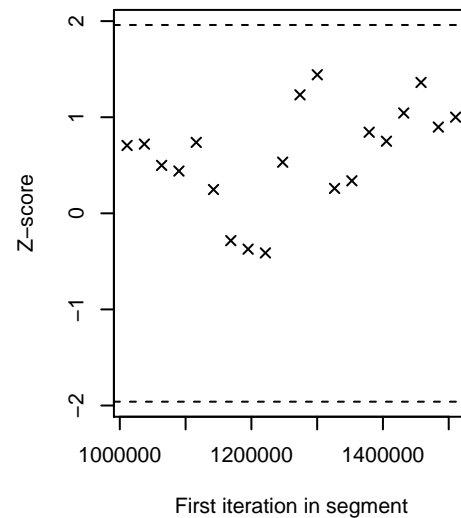
**q[10,1] (chain1)**



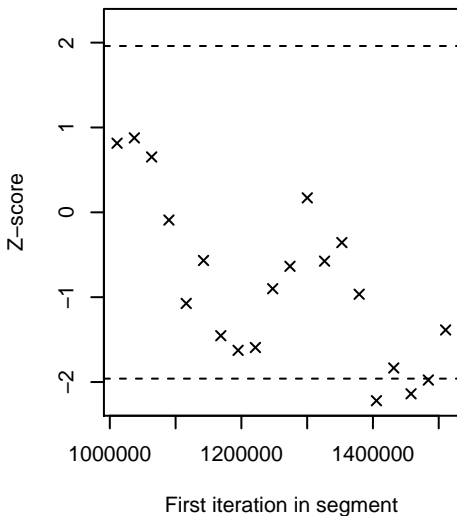
**q[11,1] (chain1)**



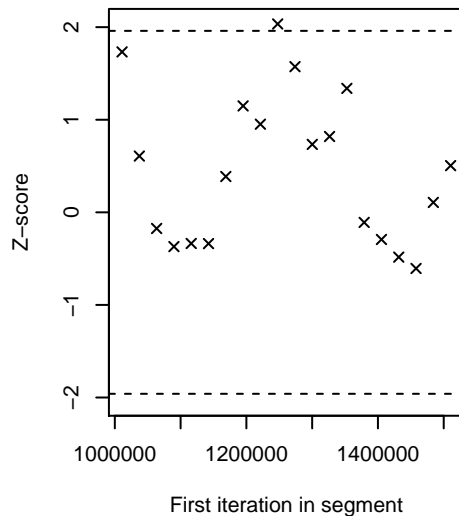
**q[12,1] (chain1)**



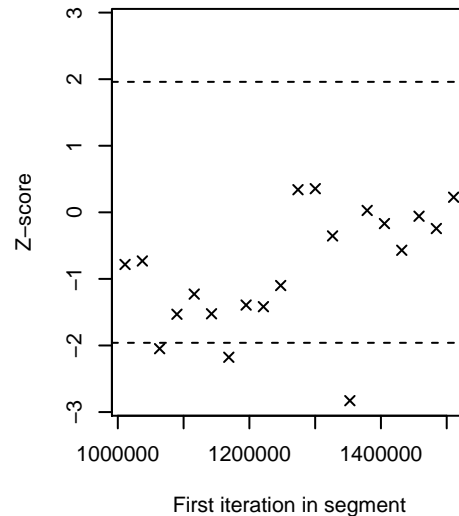
**q[13,1] (chain1)**



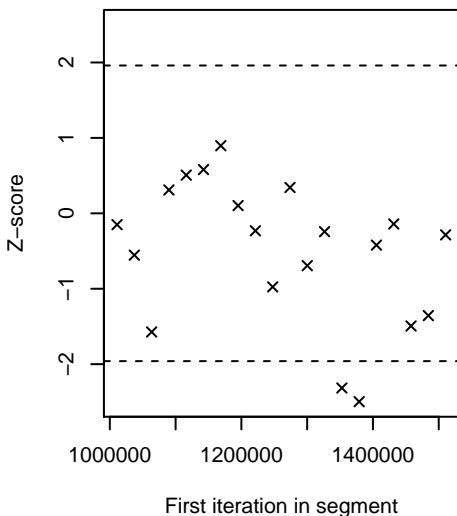
**q[14,1] (chain1)**



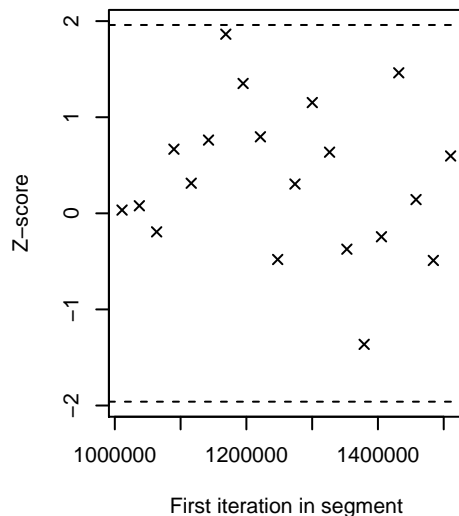
**q[15,1] (chain1)**



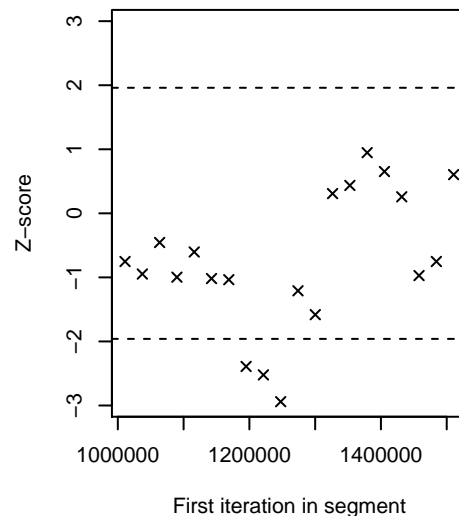
**q[16,1] (chain1)**



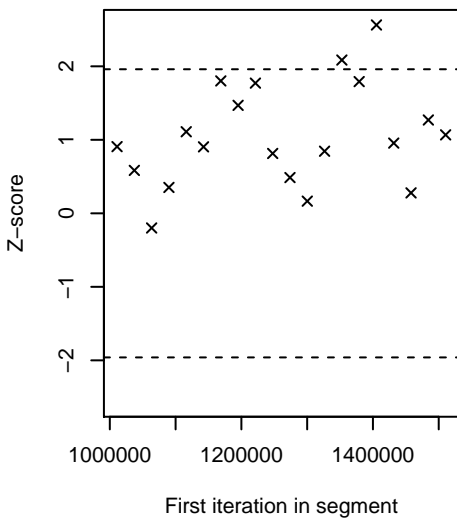
**q[17,1] (chain1)**



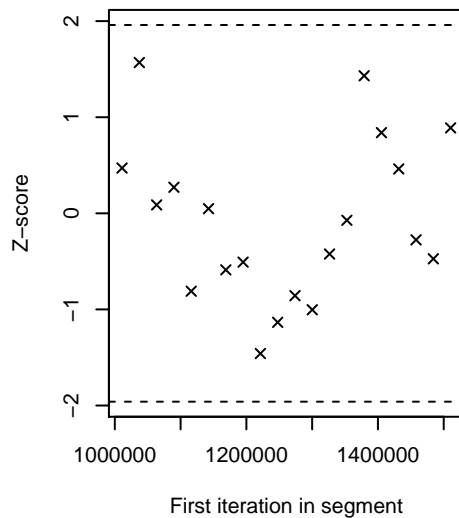
**q[18,1] (chain1)**



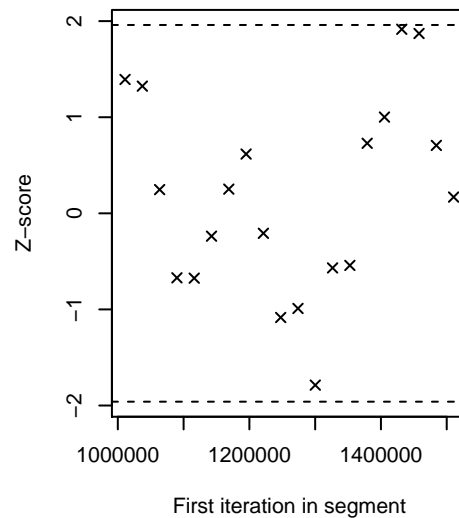
**q[19,1] (chain1)**



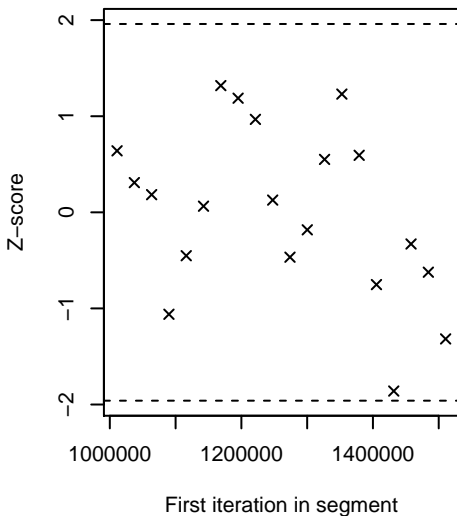
**q[20,1] (chain1)**



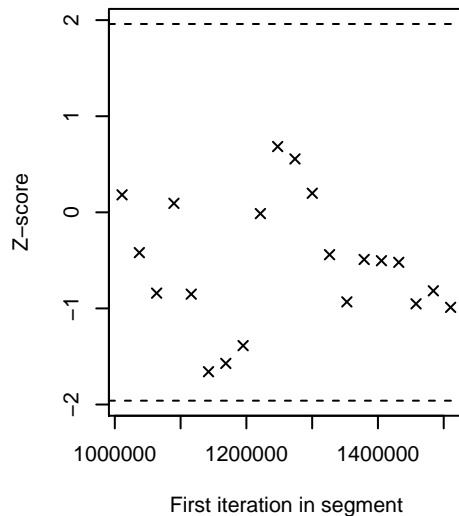
**q[21,1] (chain1)**



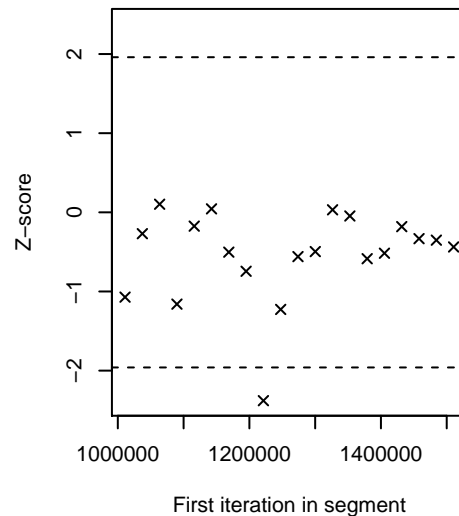
**q[22,1] (chain1)**



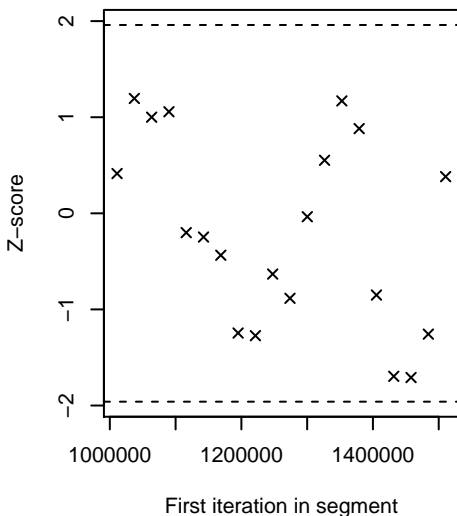
**q[23,1] (chain1)**



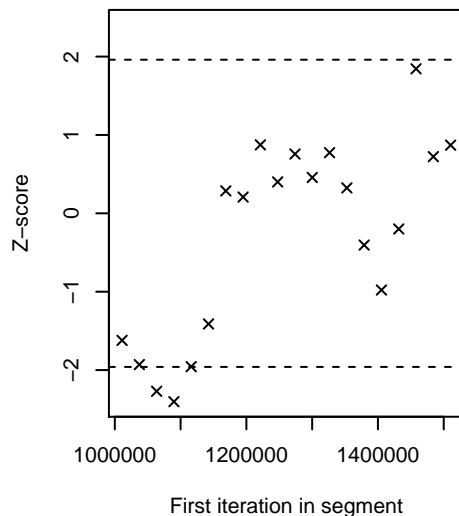
**q[24,1] (chain1)**



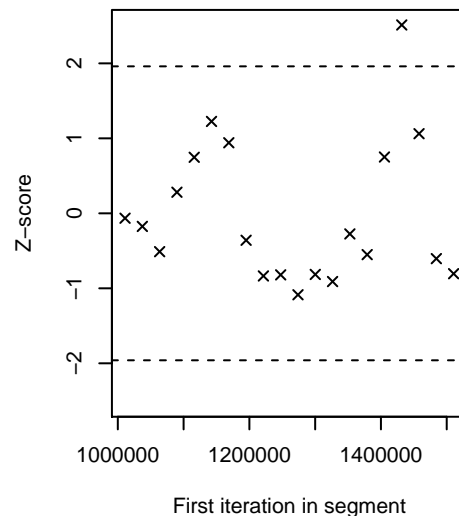
**q[25,1] (chain1)**



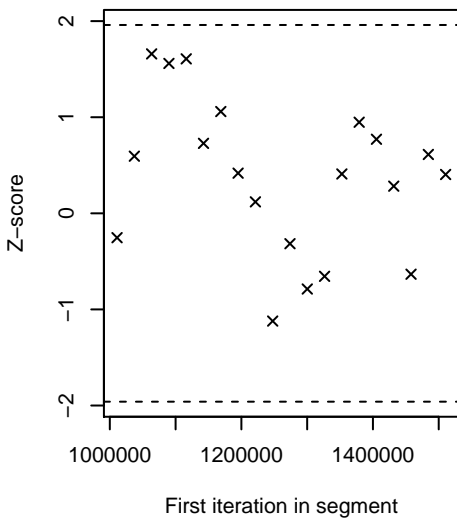
**q[26,1] (chain1)**



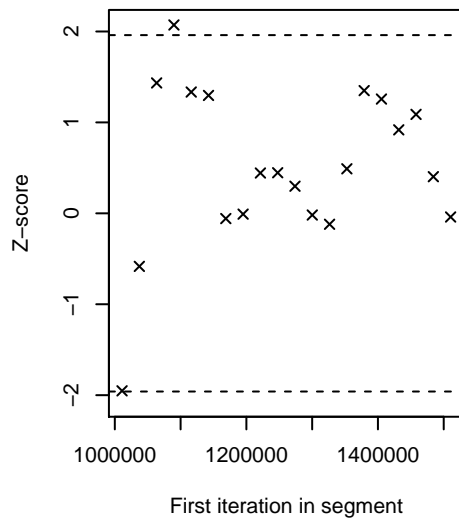
**q[27,1] (chain1)**



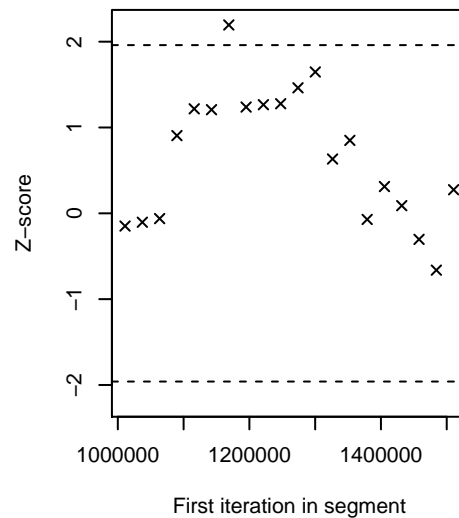
**q[28,1] (chain1)**



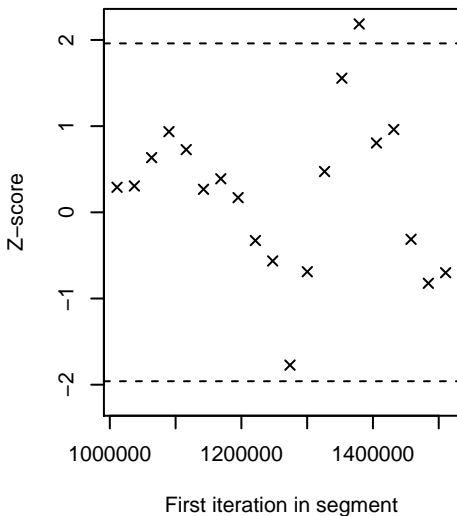
**q[29,1] (chain1)**



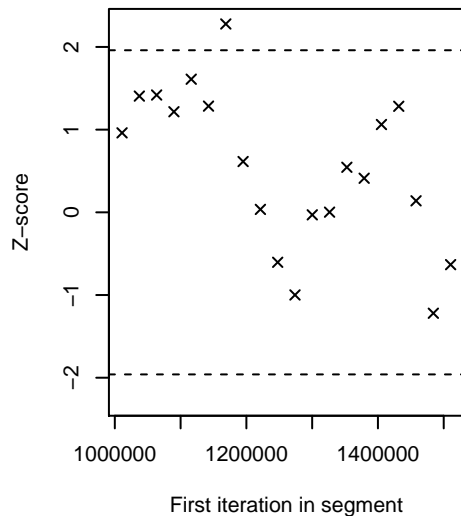
**q[30,1] (chain1)**



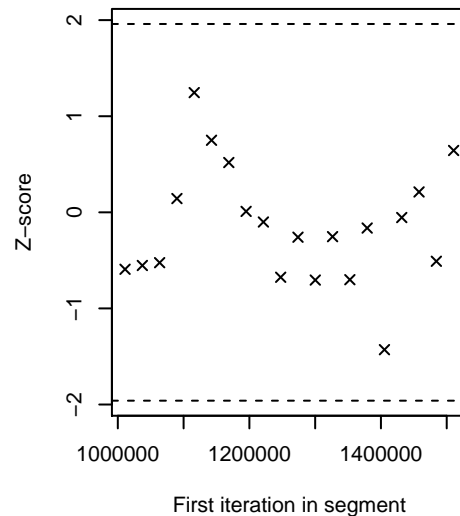
**q[31,1] (chain1)**



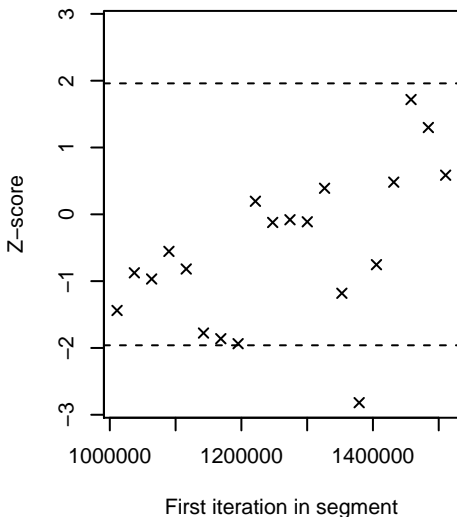
**q[32,1] (chain1)**



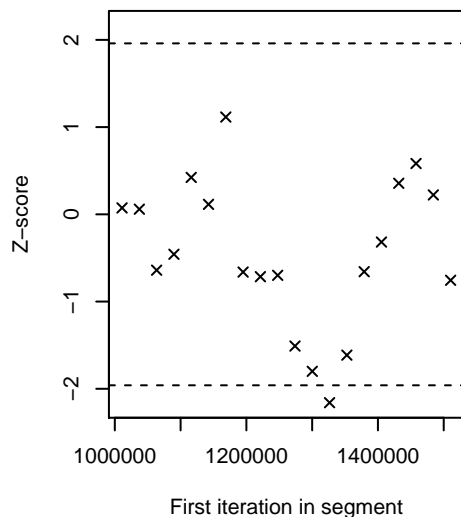
**q[33,1] (chain1)**



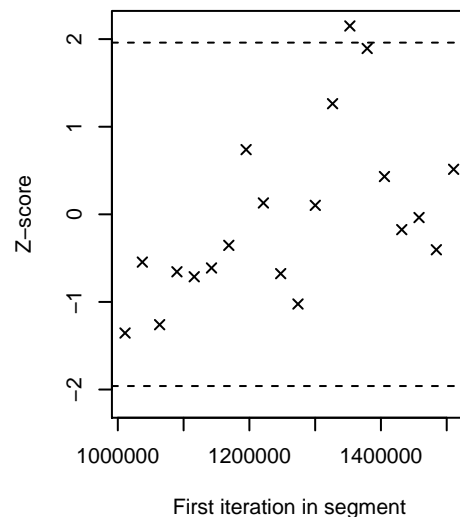
**q[34,1] (chain1)**



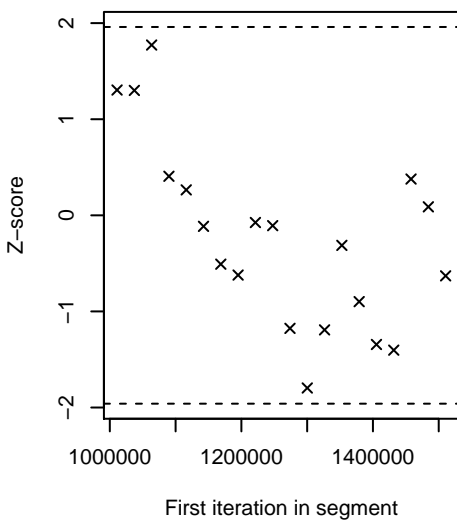
**q[35,1] (chain1)**



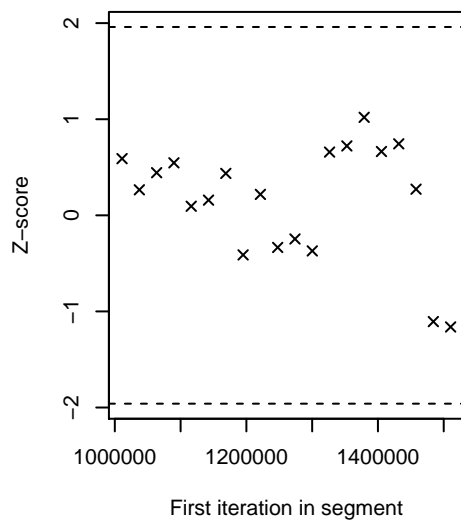
**q[36,1] (chain1)**



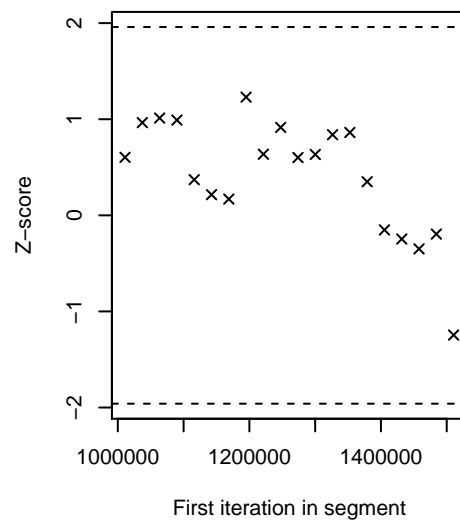
**q[37,1] (chain1)**



**q[1,2] (chain1)**

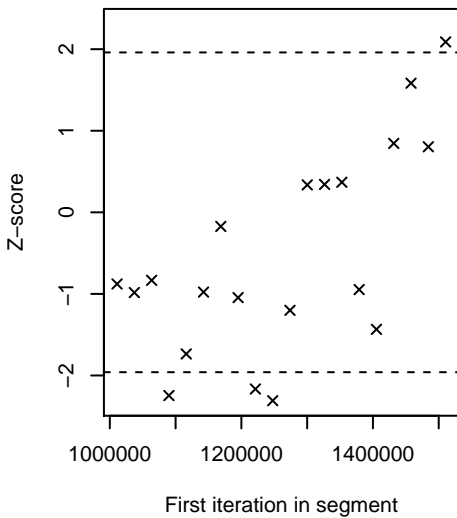


**q[2,2] (chain1)**

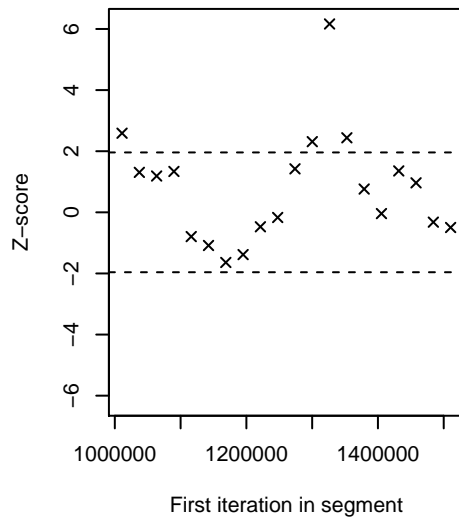




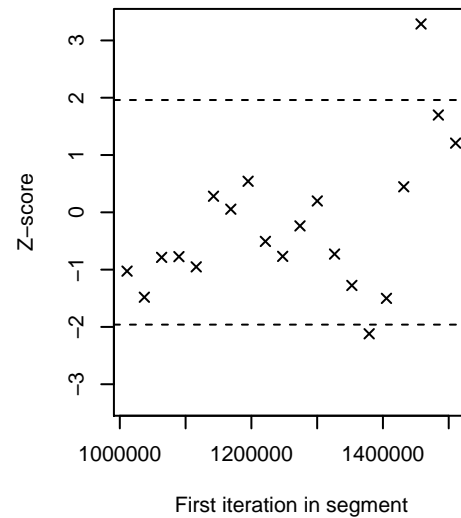
**q[3,2] (chain1)**



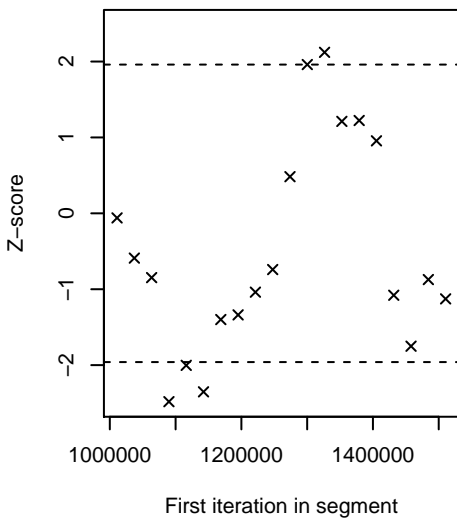
**q[4,2] (chain1)**



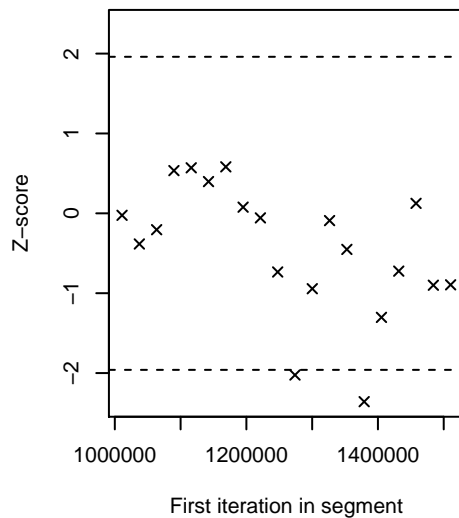
**q[5,2] (chain1)**



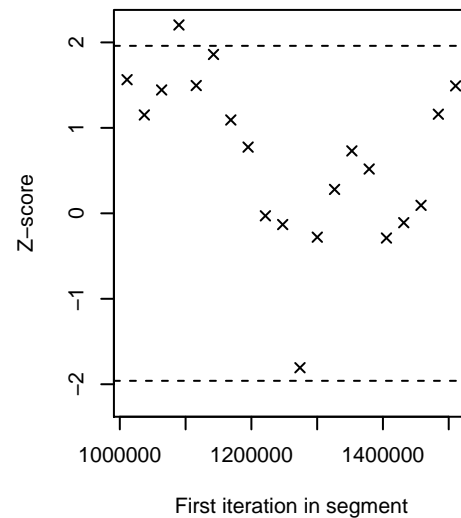
**q[6,2] (chain1)**



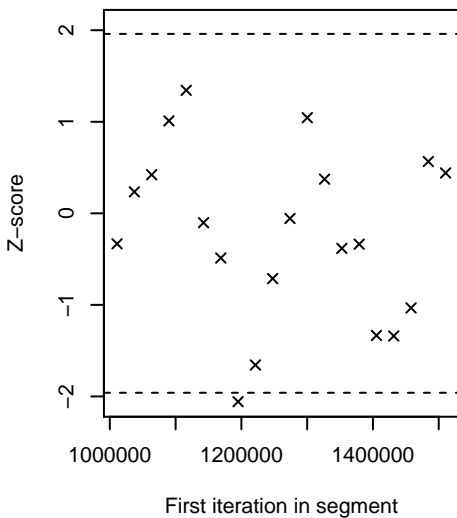
**q[7,2] (chain1)**



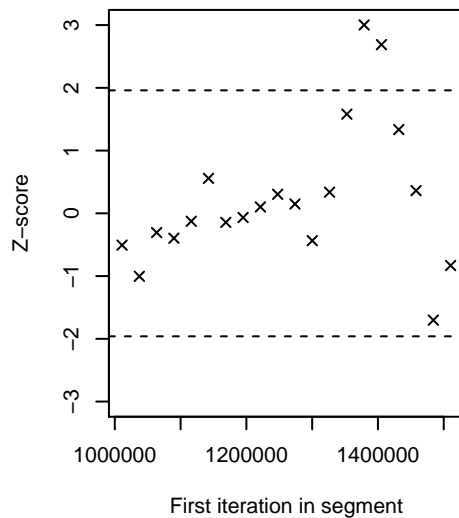
**q[8,2] (chain1)**



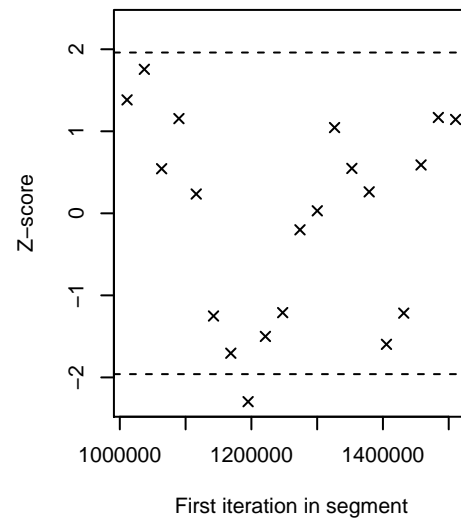
**q[9,2] (chain1)**



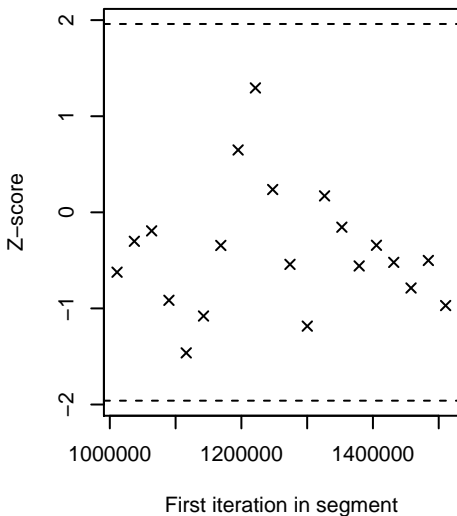
**q[10,2] (chain1)**



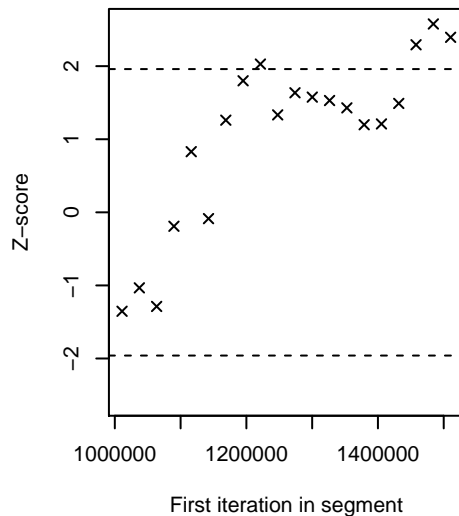
**q[11,2] (chain1)**



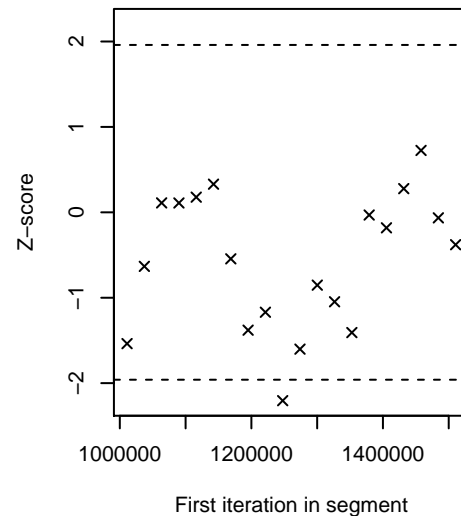
**q[12,2] (chain1)**



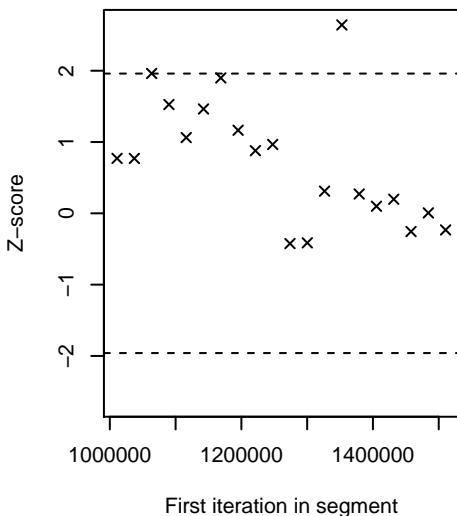
**q[13,2] (chain1)**



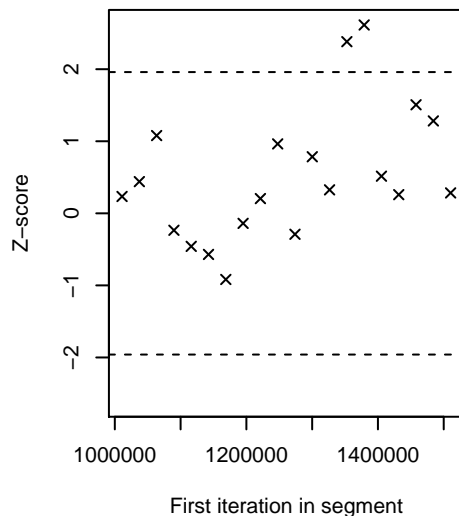
**q[14,2] (chain1)**



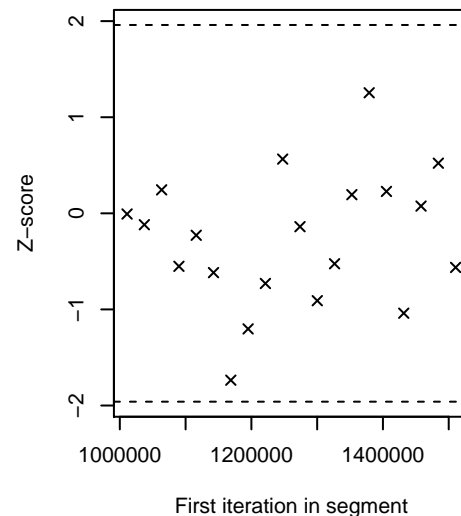
**q[15,2] (chain1)**



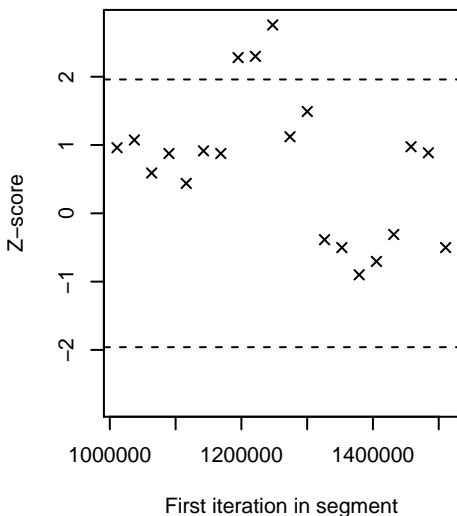
**q[16,2] (chain1)**



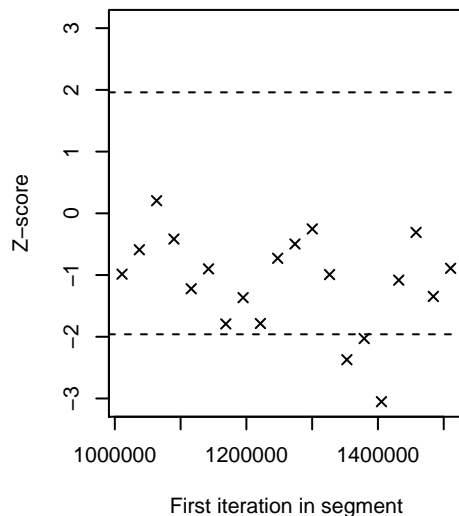
**q[17,2] (chain1)**



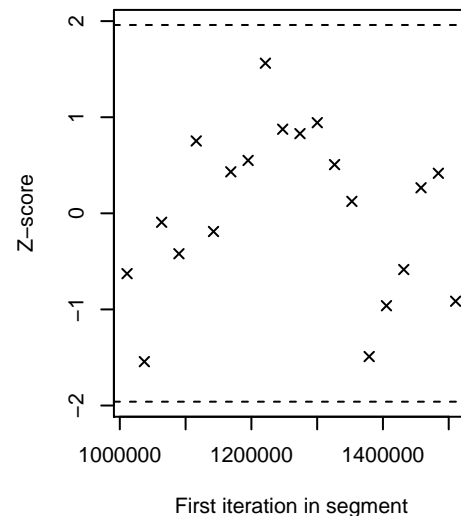
**q[18,2] (chain1)**

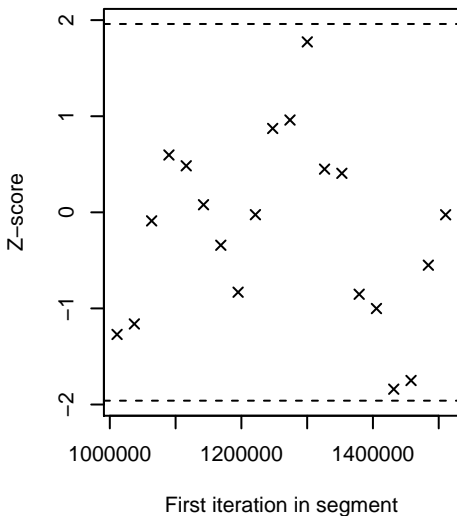
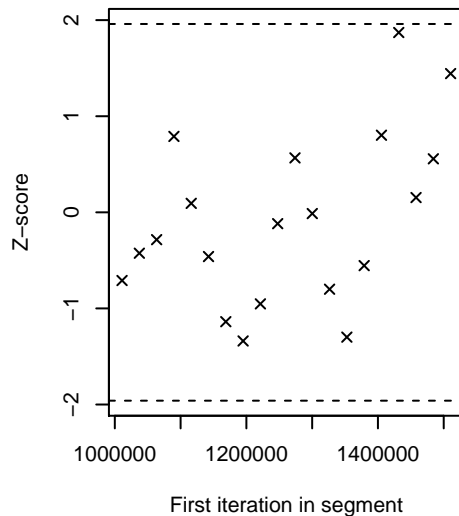
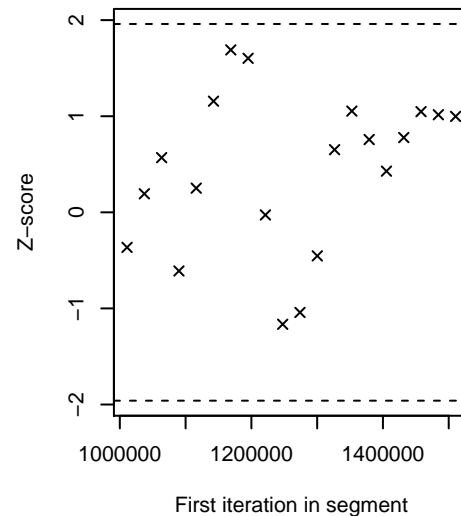
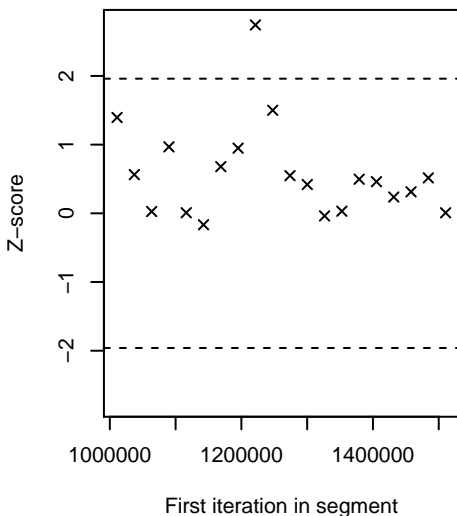
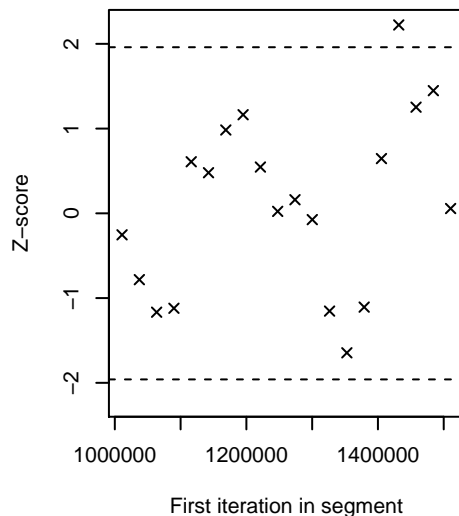
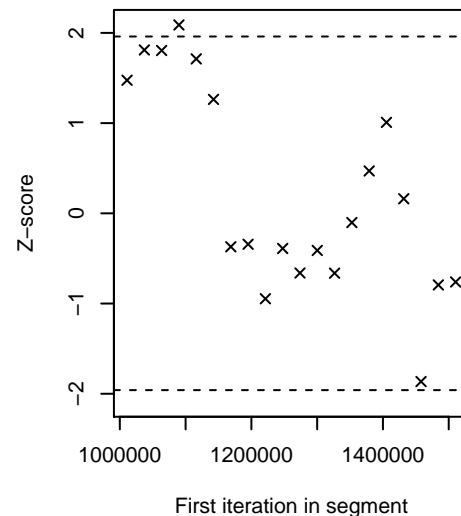
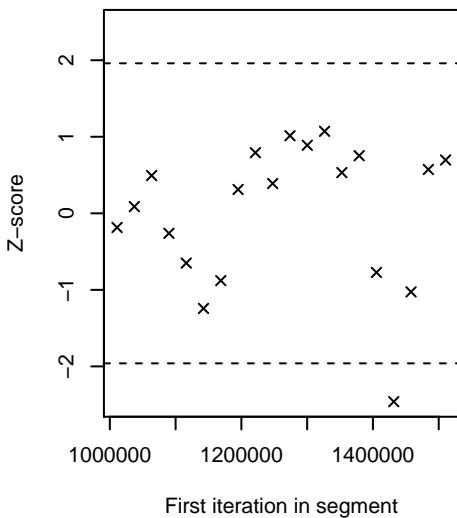
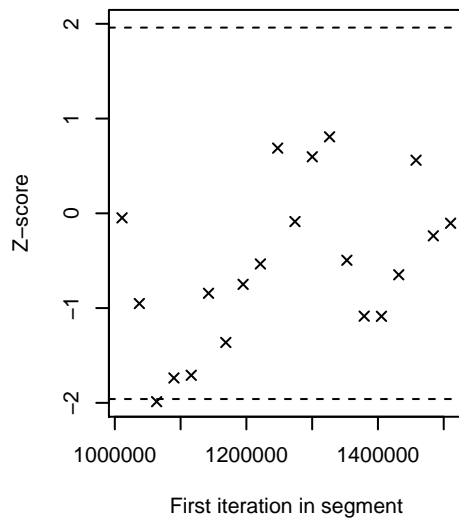
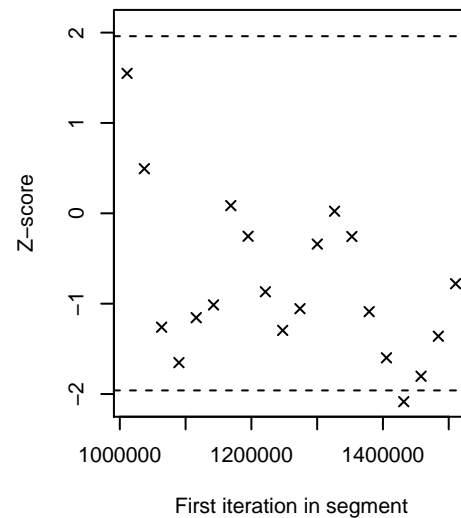


**q[19,2] (chain1)**

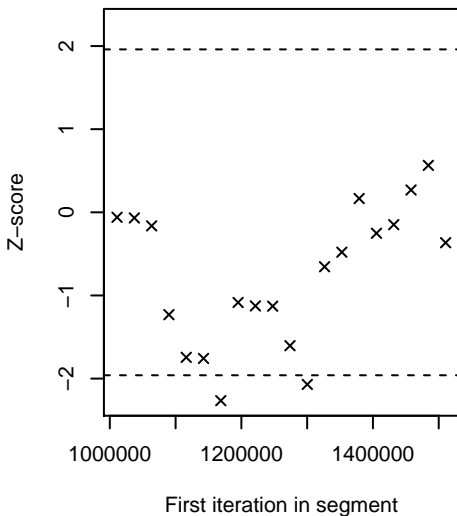


**q[20,2] (chain1)**

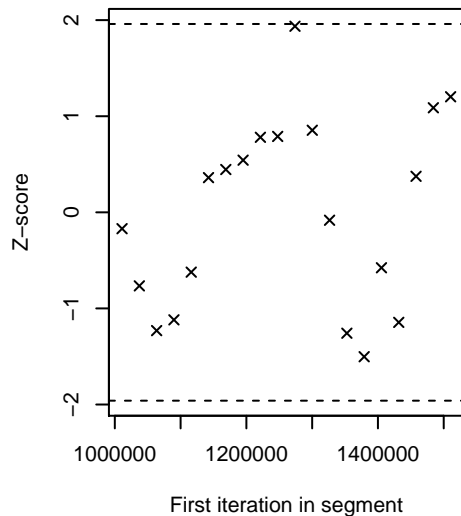


**q[21,2] (chain1)****q[22,2] (chain1)****q[23,2] (chain1)****q[24,2] (chain1)****q[25,2] (chain1)****q[26,2] (chain1)****q[27,2] (chain1)****q[28,2] (chain1)****q[29,2] (chain1)**

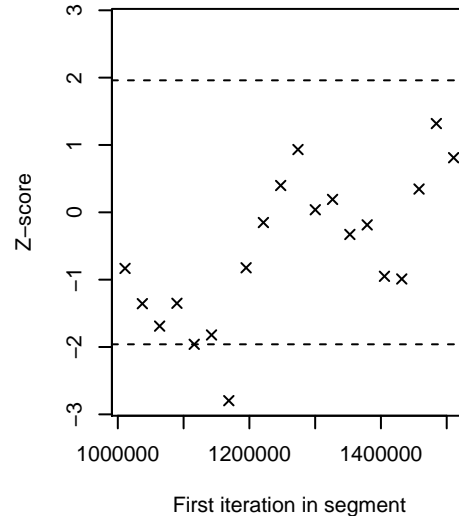
**q[30,2] (chain1)**



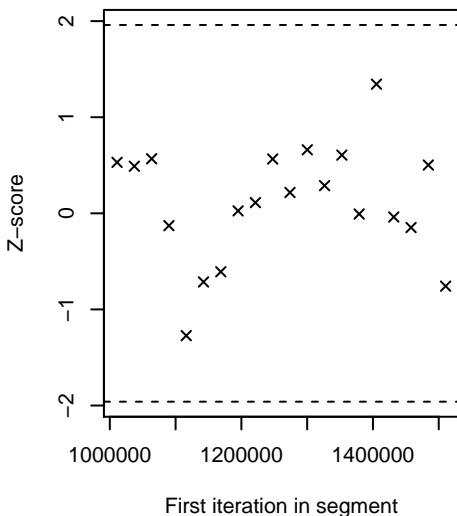
**q[31,2] (chain1)**



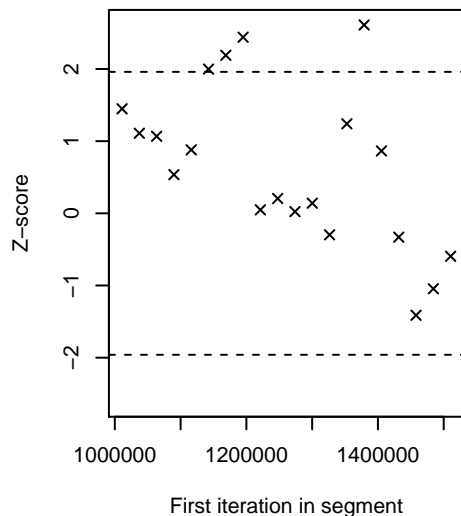
**q[32,2] (chain1)**



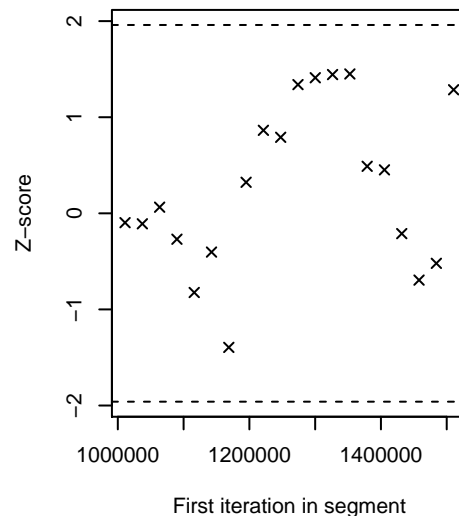
**q[33,2] (chain1)**



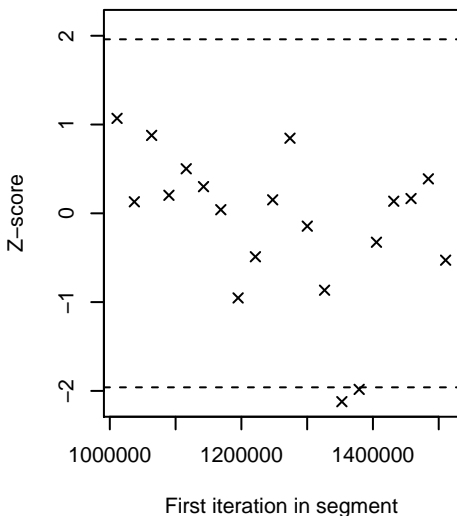
**q[34,2] (chain1)**



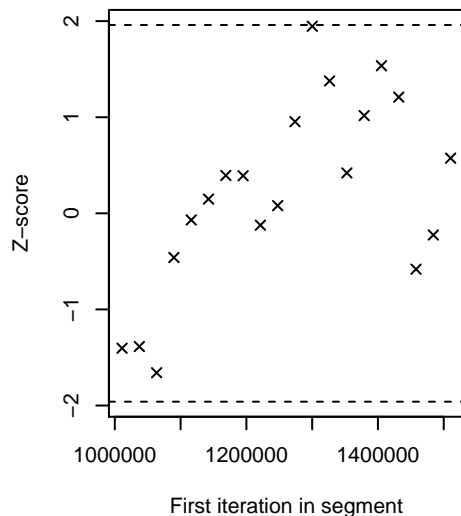
**q[35,2] (chain1)**



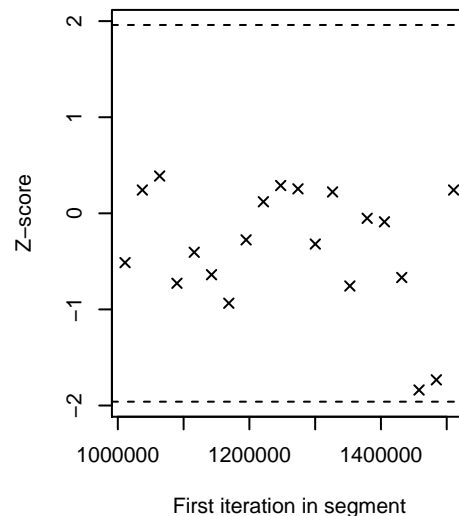
**q[36,2] (chain1)**



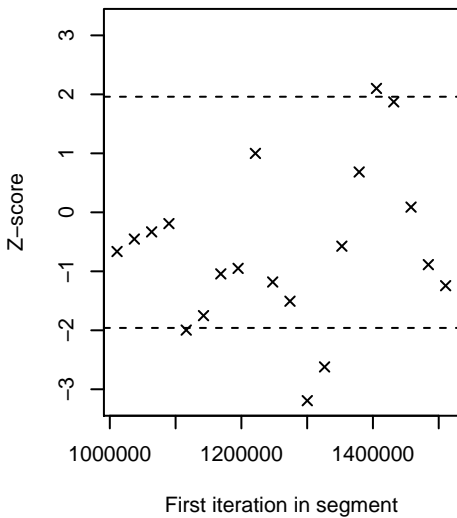
**q[37,2] (chain1)**



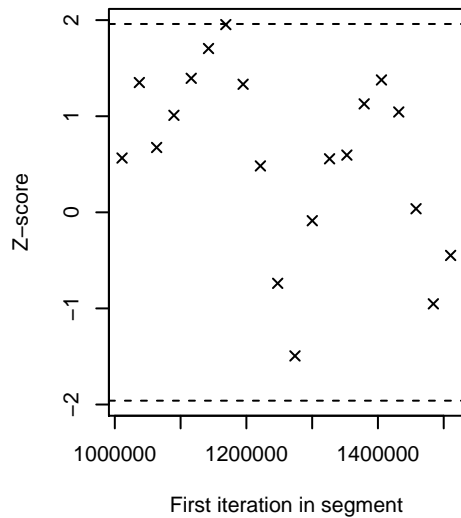
**q[1,3] (chain1)**



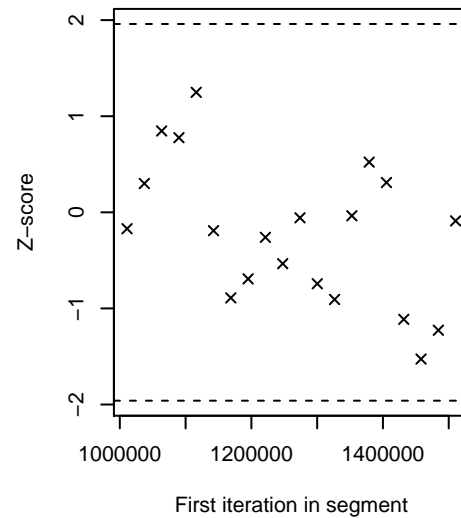
**q[2,3] (chain1)**



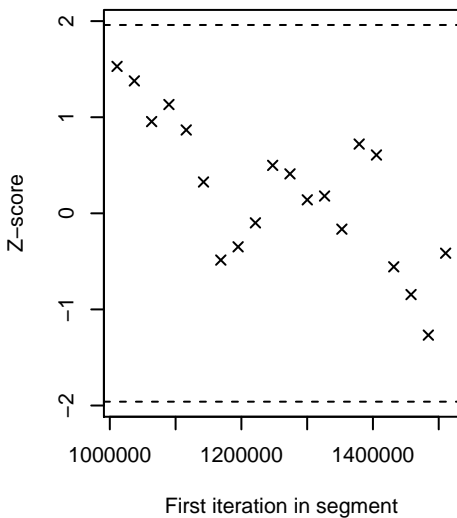
**q[3,3] (chain1)**



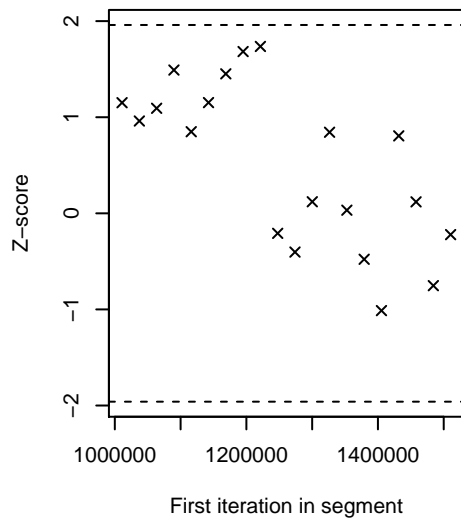
**q[4,3] (chain1)**



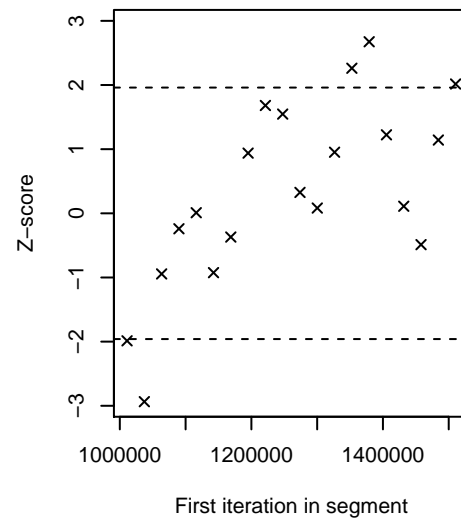
**q[5,3] (chain1)**



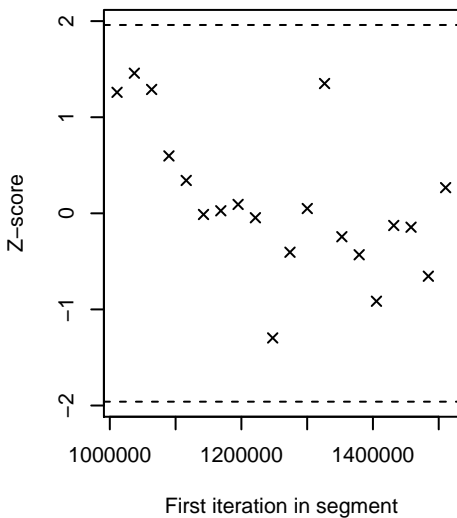
**q[6,3] (chain1)**



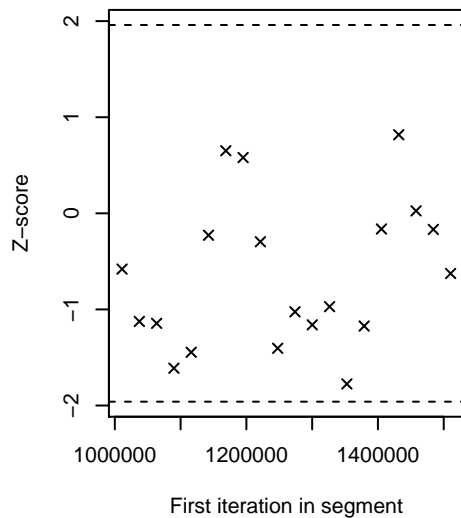
**q[7,3] (chain1)**



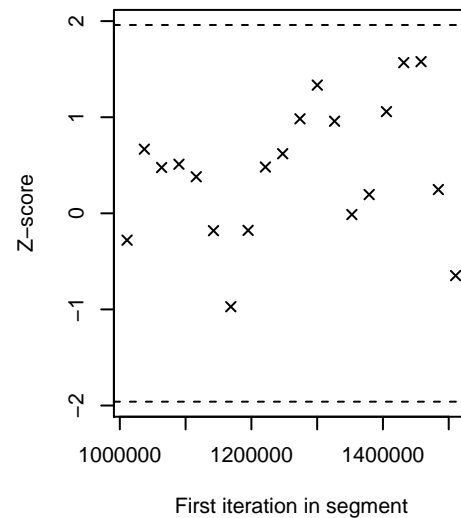
**q[8,3] (chain1)**



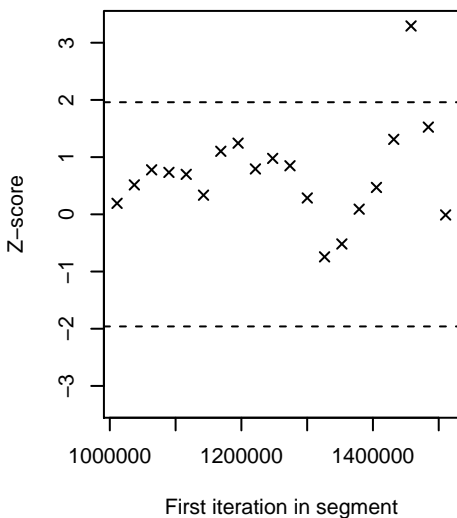
**q[9,3] (chain1)**



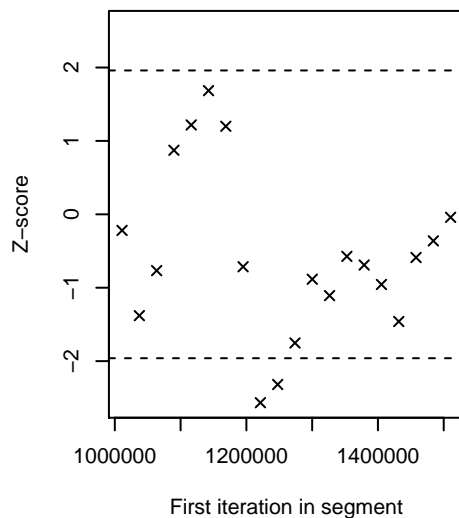
**q[10,3] (chain1)**



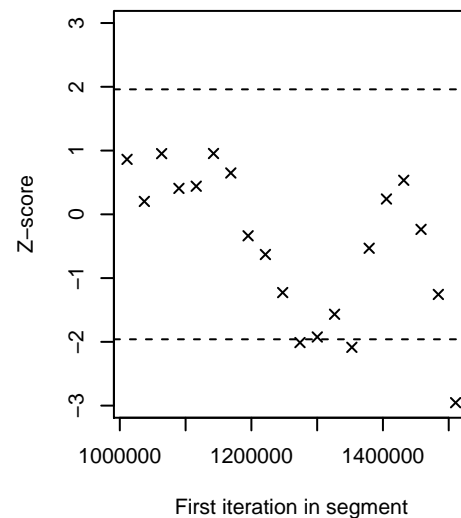
**q[11,3] (chain1)**



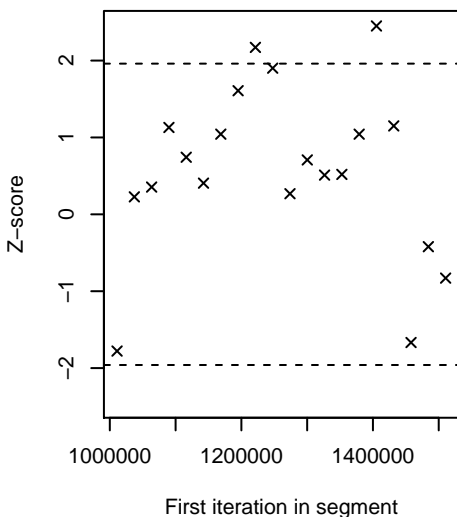
**q[12,3] (chain1)**



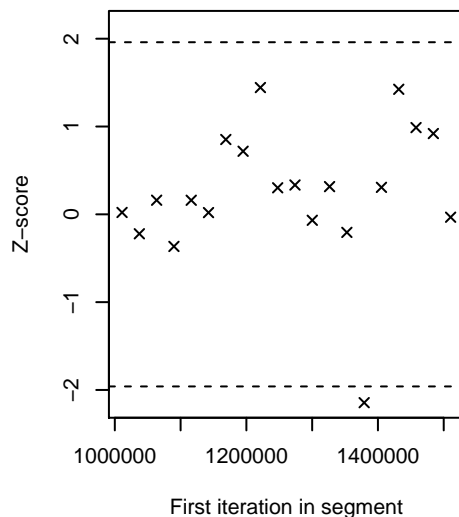
**q[13,3] (chain1)**



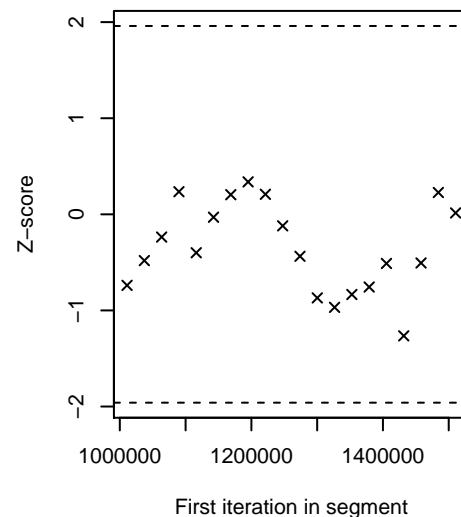
**q[14,3] (chain1)**



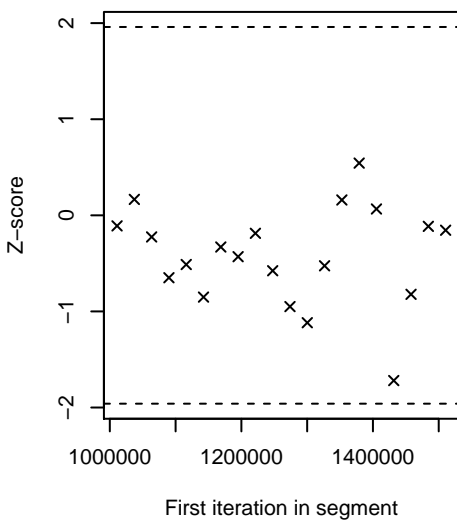
**q[15,3] (chain1)**



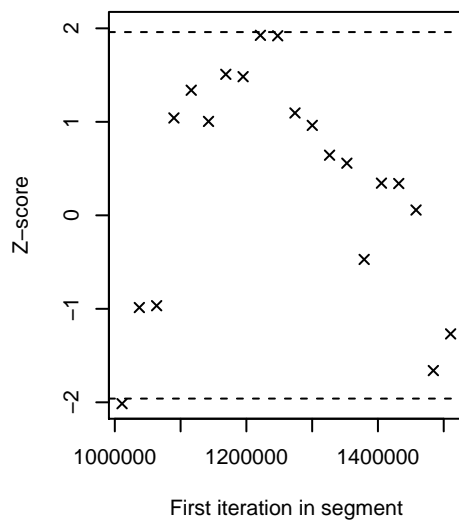
**q[16,3] (chain1)**



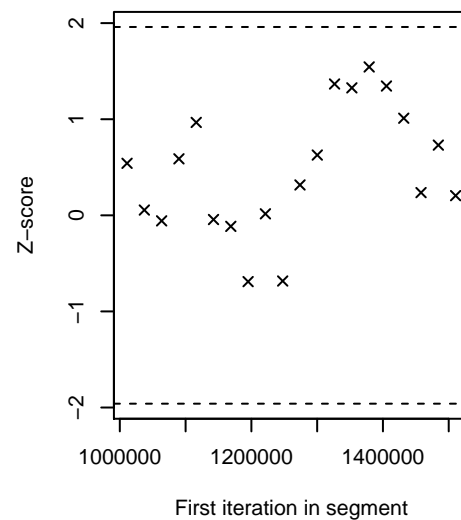
**q[17,3] (chain1)**



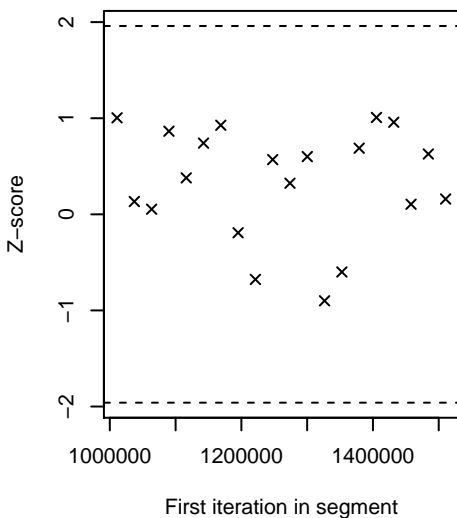
**q[18,3] (chain1)**



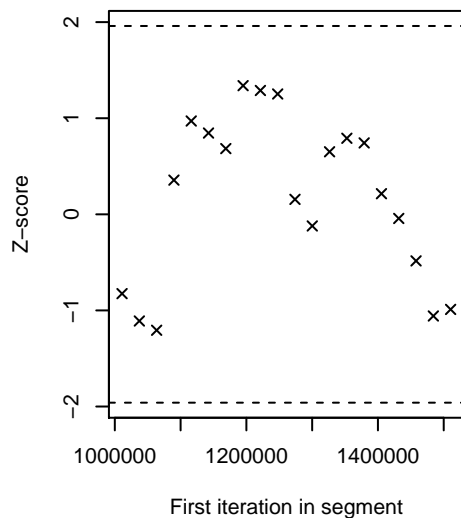
**q[19,3] (chain1)**



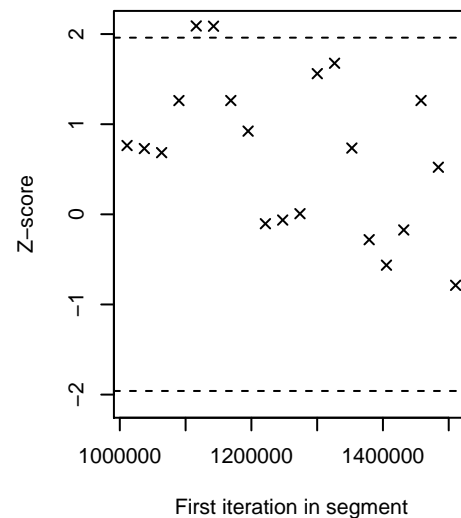
**q[20,3] (chain1)**



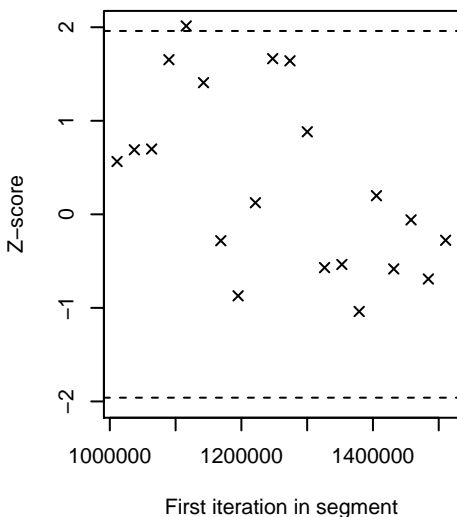
**q[21,3] (chain1)**



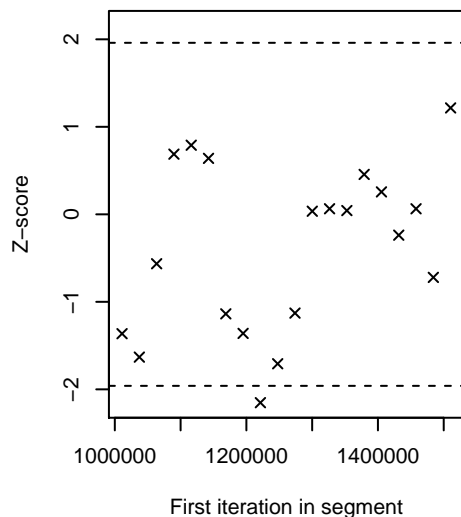
**q[22,3] (chain1)**



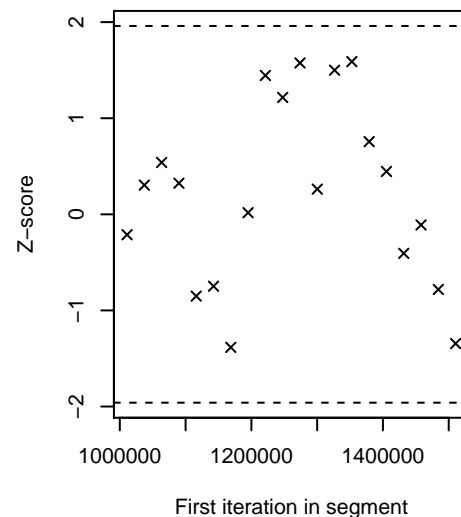
**q[23,3] (chain1)**



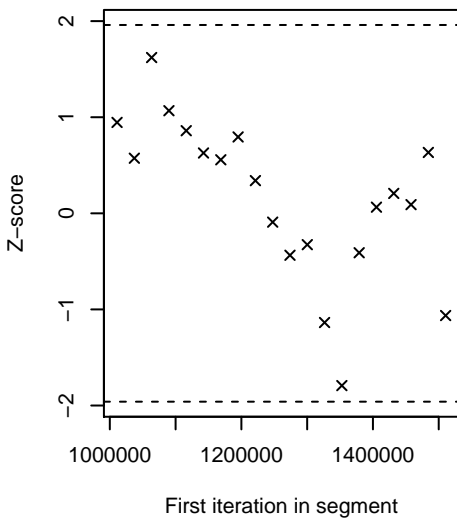
**q[24,3] (chain1)**



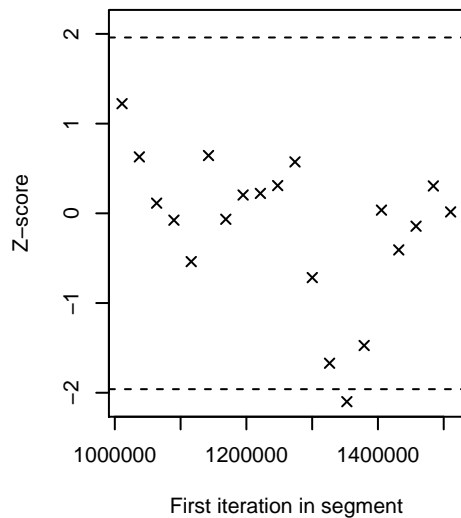
**q[25,3] (chain1)**



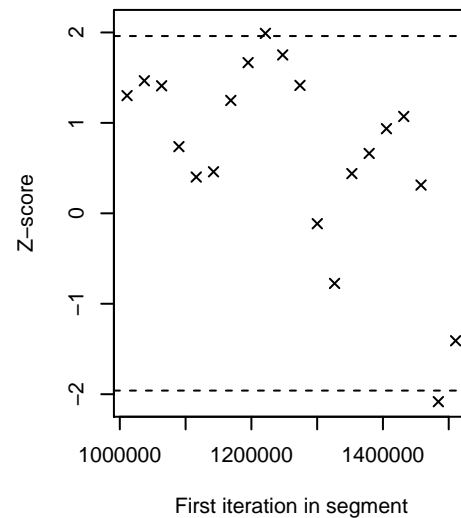
**q[26,3] (chain1)**

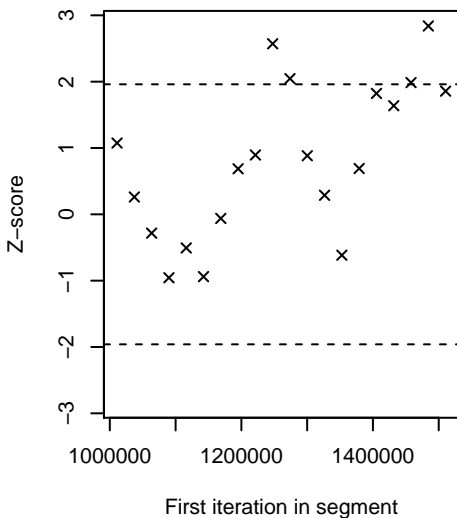
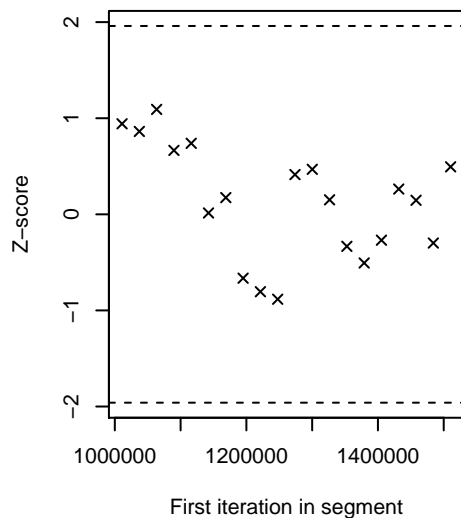
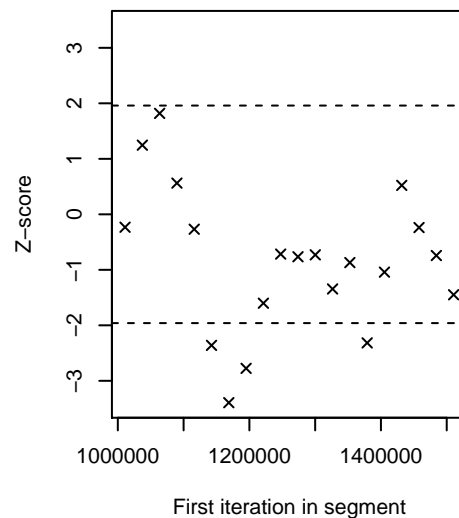
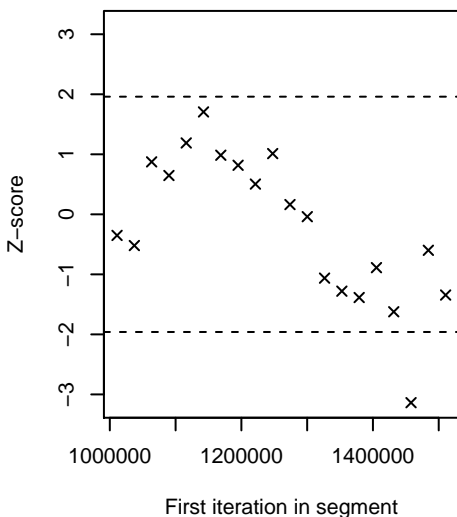
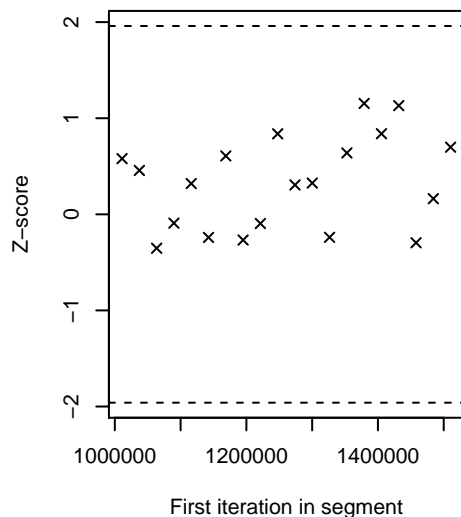
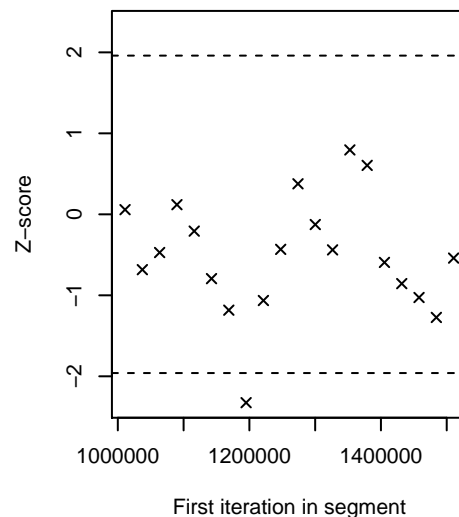
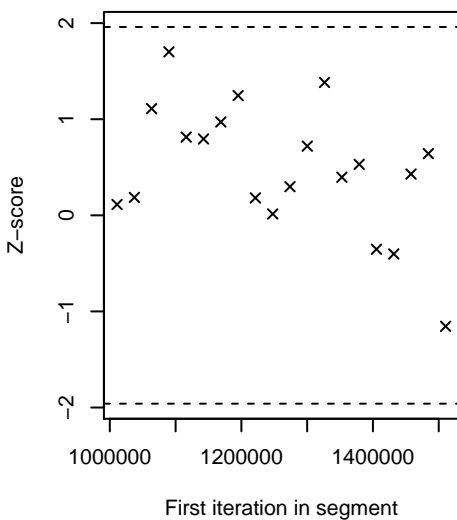
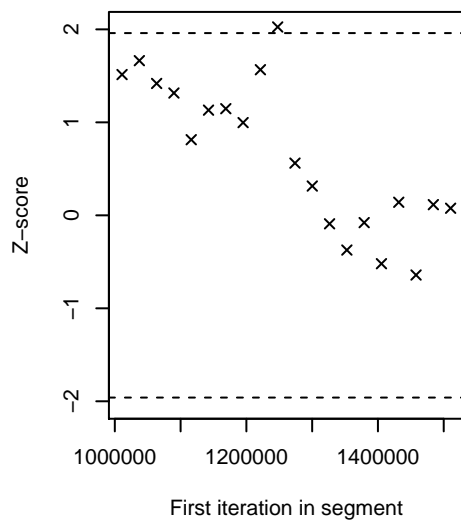
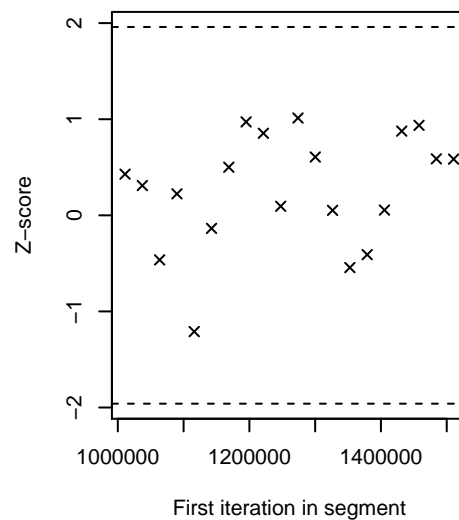


**q[27,3] (chain1)**



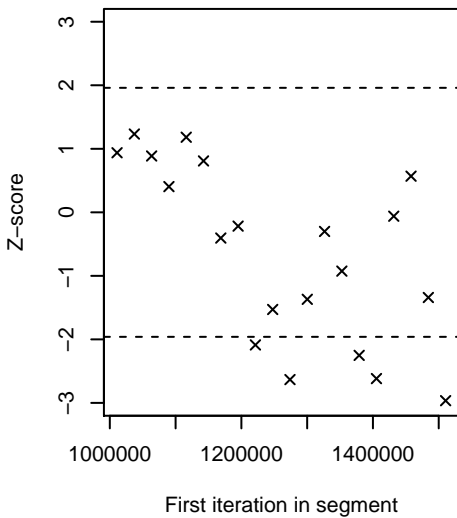
**q[28,3] (chain1)**



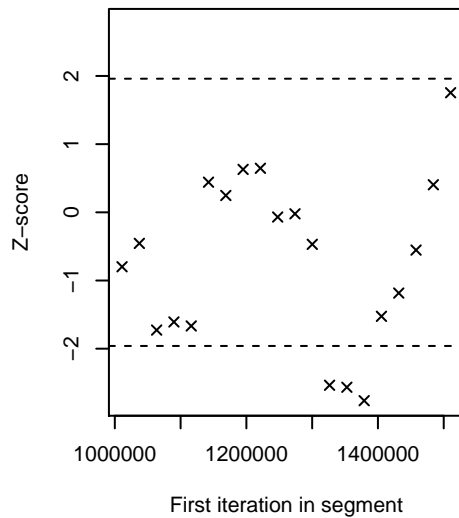
**q[29,3] (chain1)****q[30,3] (chain1)****q[31,3] (chain1)****q[32,3] (chain1)****q[33,3] (chain1)****q[34,3] (chain1)****q[35,3] (chain1)****q[36,3] (chain1)****q[37,3] (chain1)**



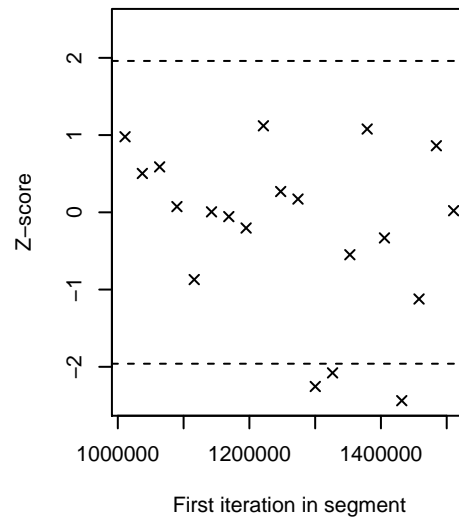
**sigma.R (chain1)**



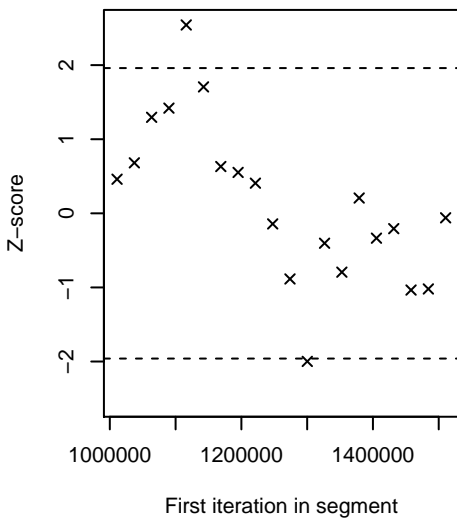
**sigma.R0 (chain1)**



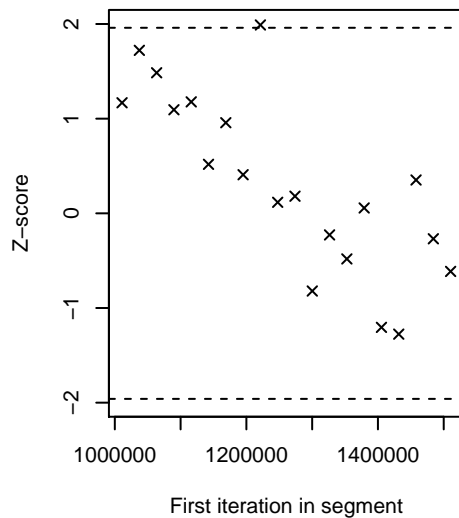
**B.sum (chain2)**



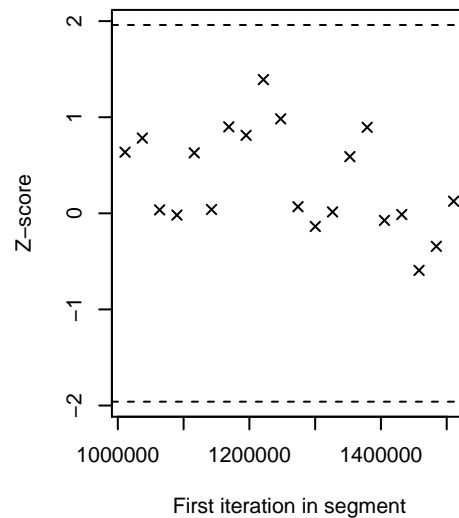
**D.sum (chain2)**



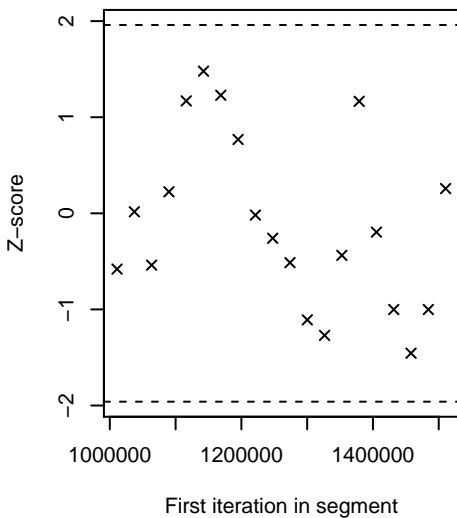
**H.B[1] (chain2)**



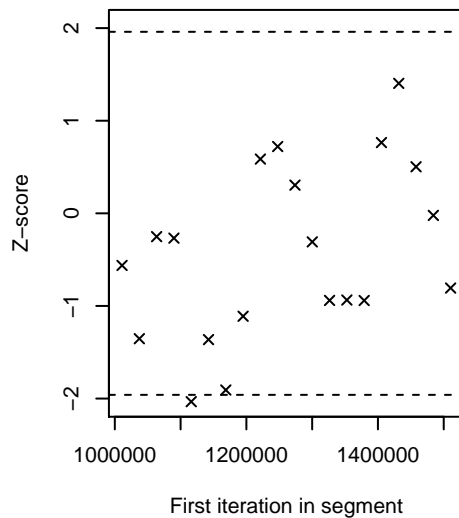
**H.B[2] (chain2)**



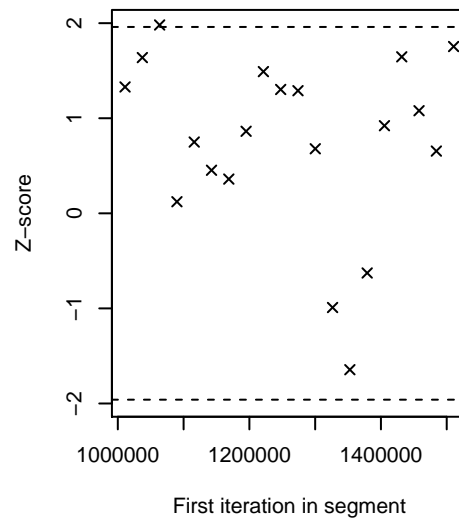
**H.B[3] (chain2)**

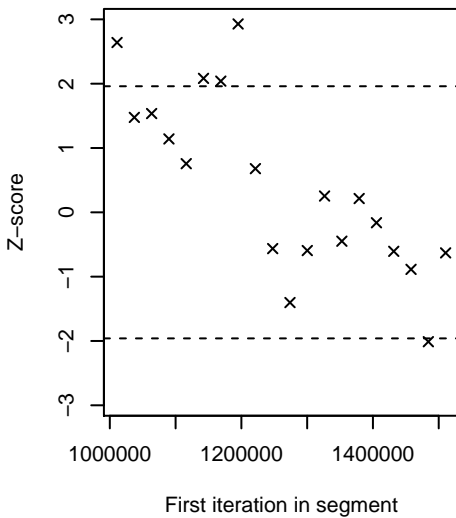
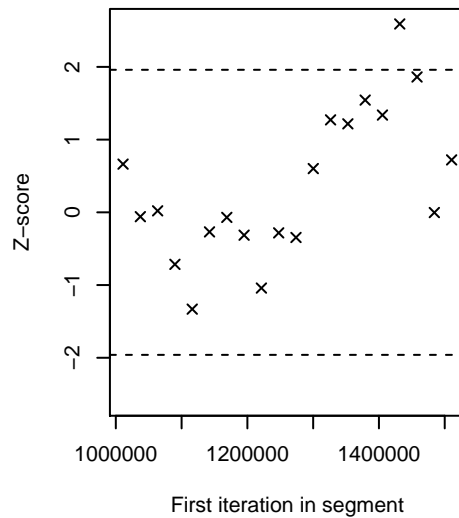
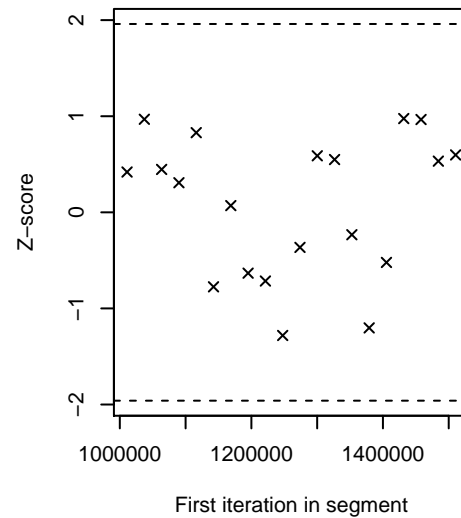
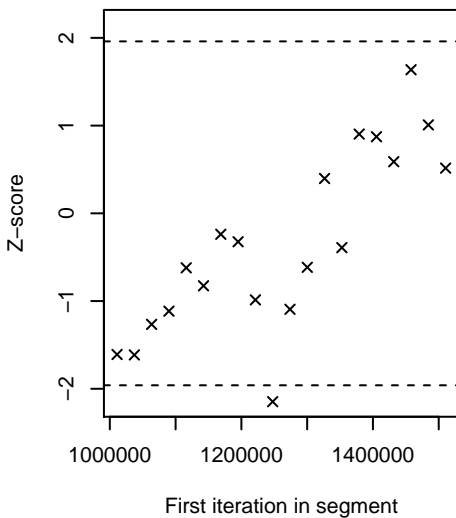
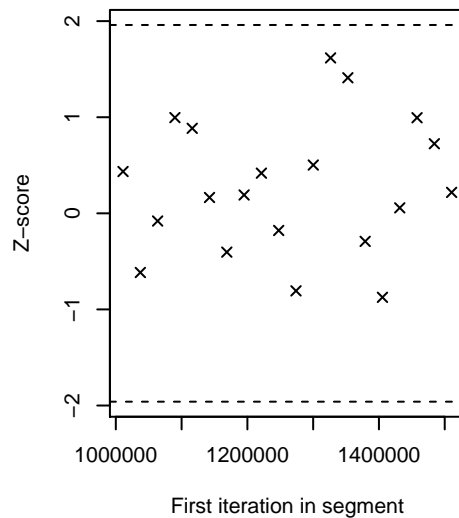
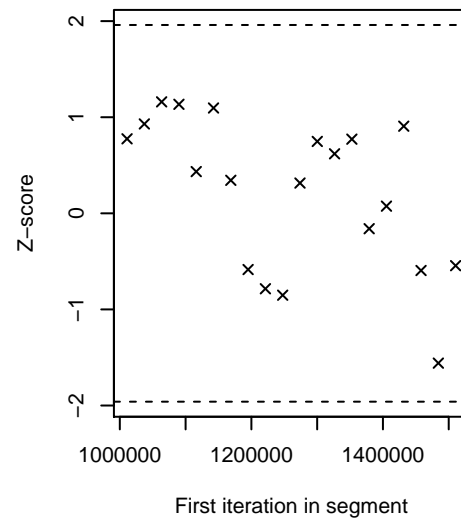
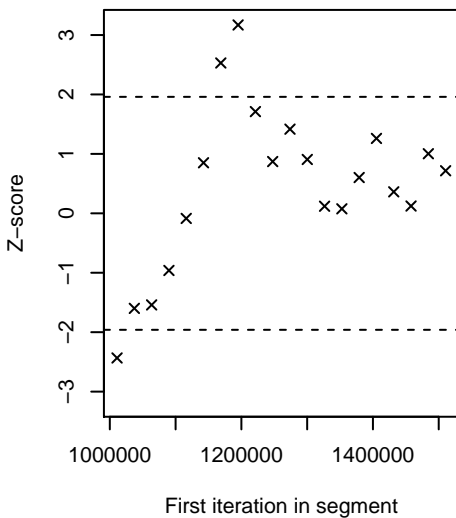
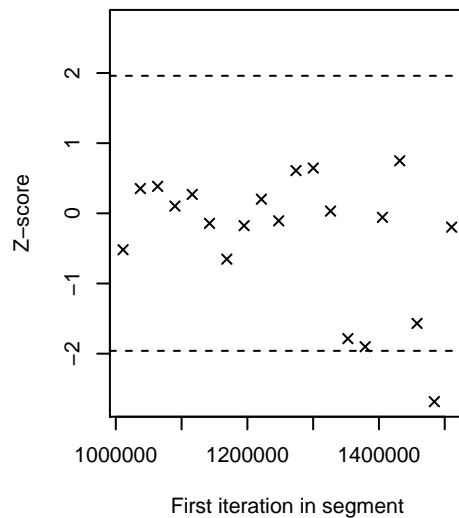
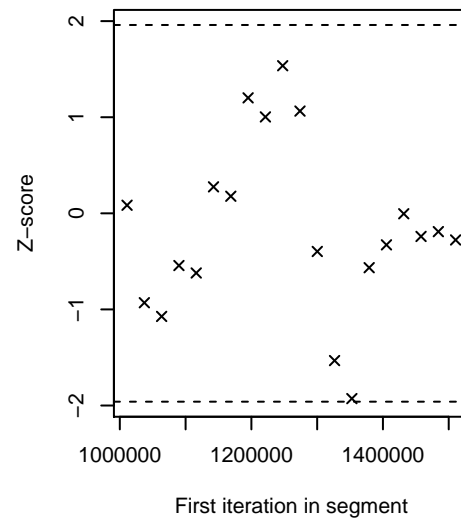


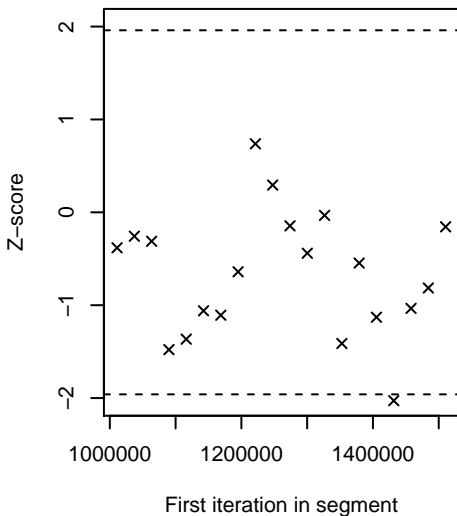
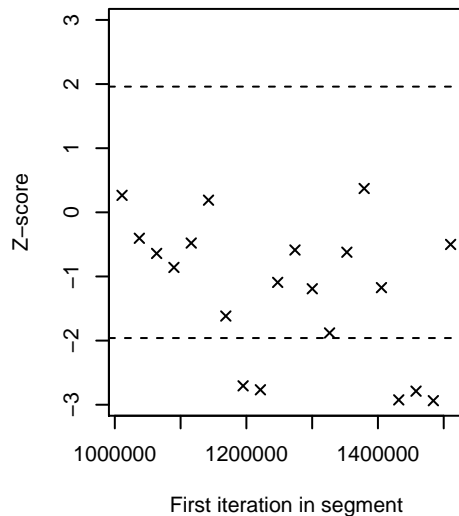
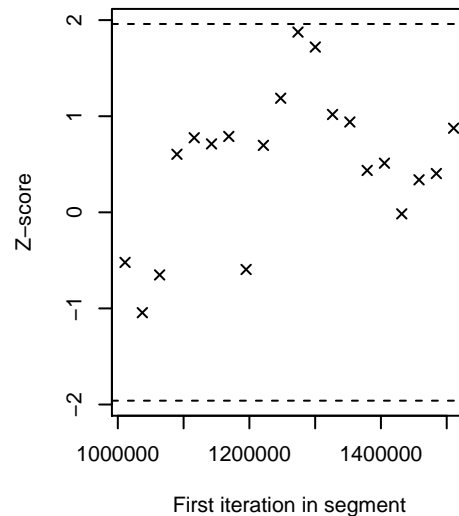
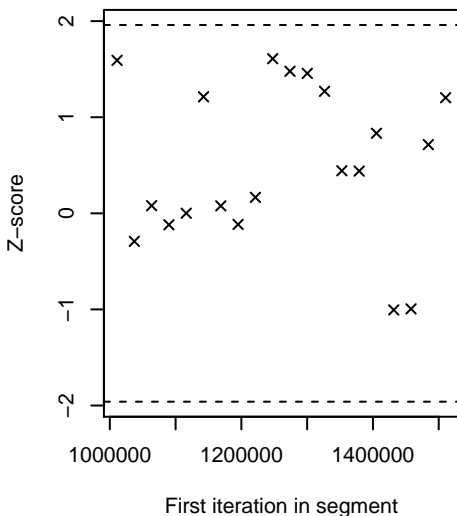
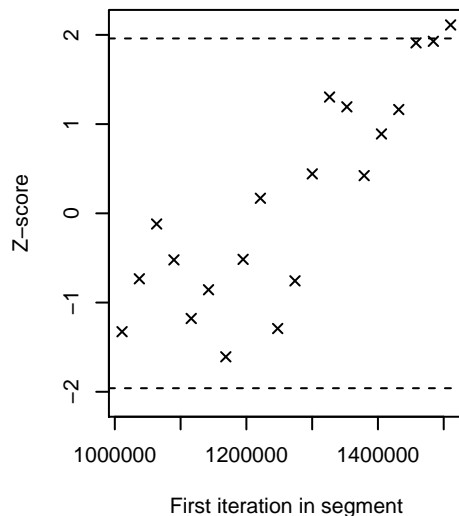
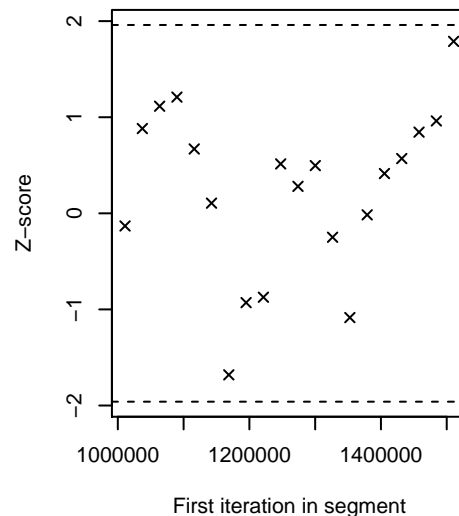
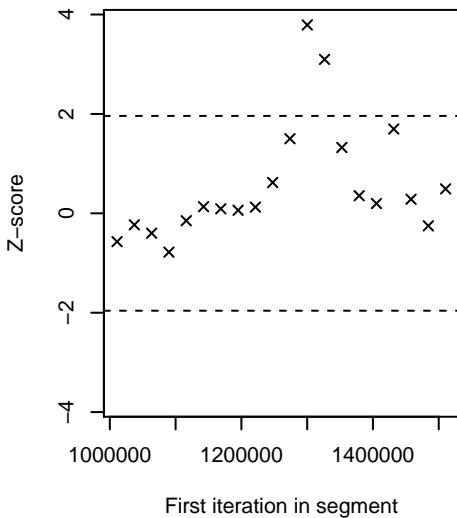
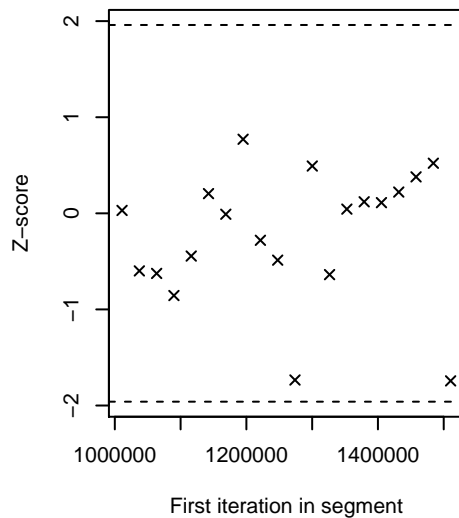
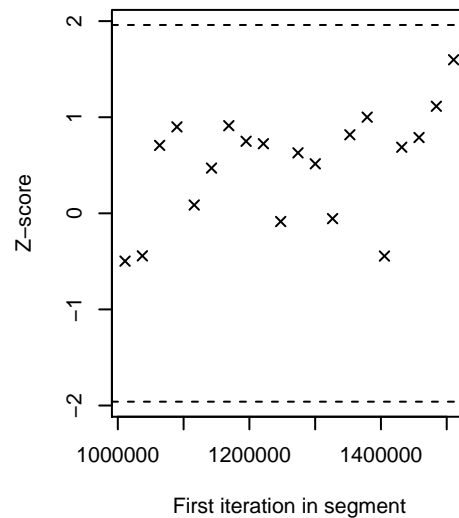
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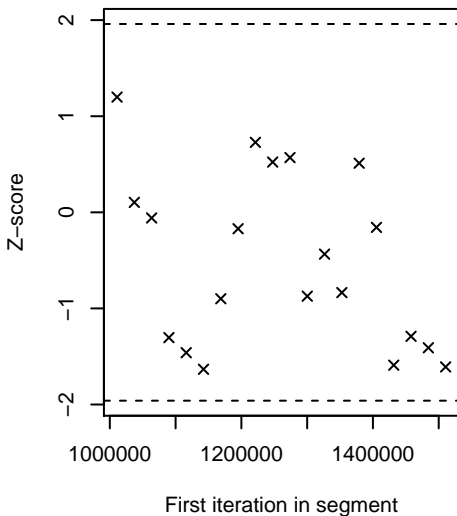
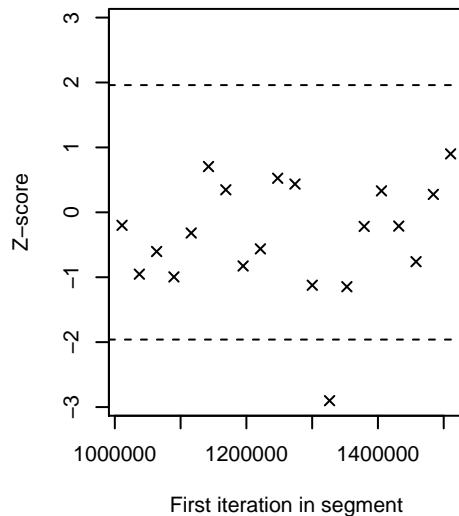
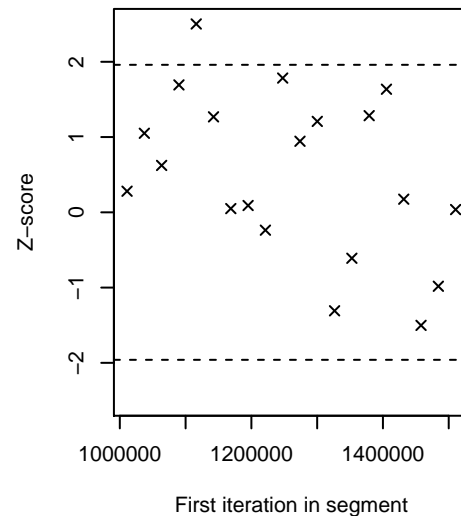
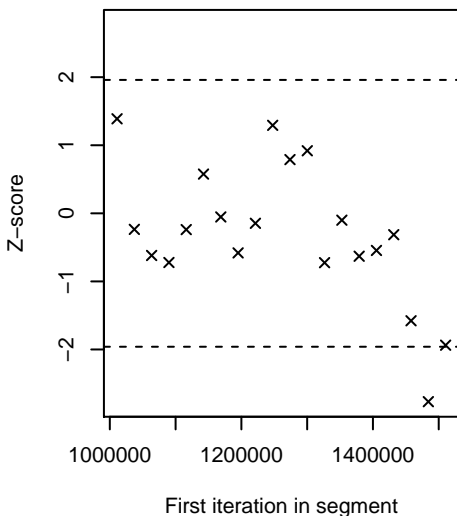
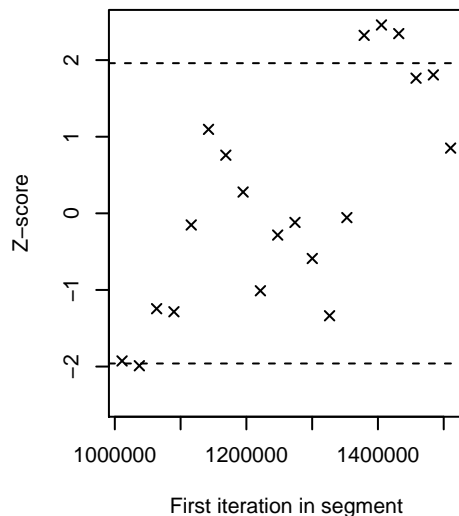
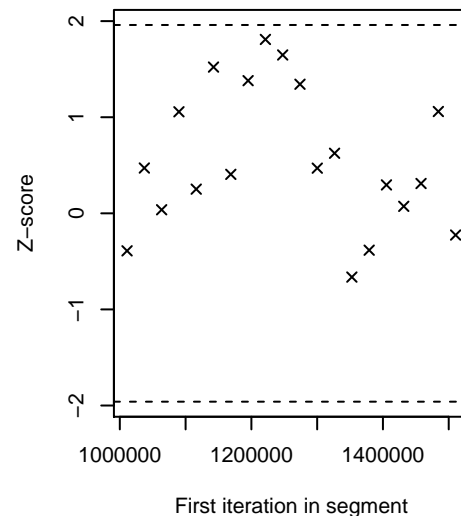
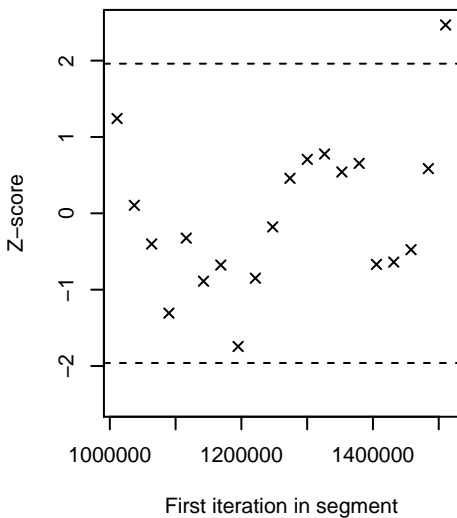
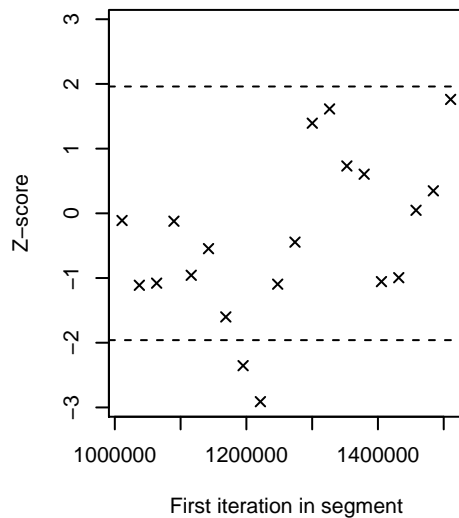
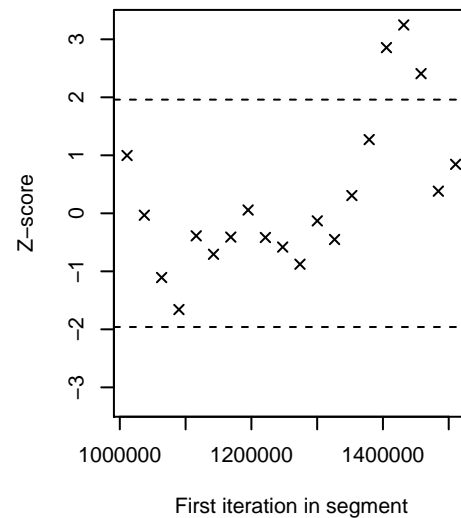


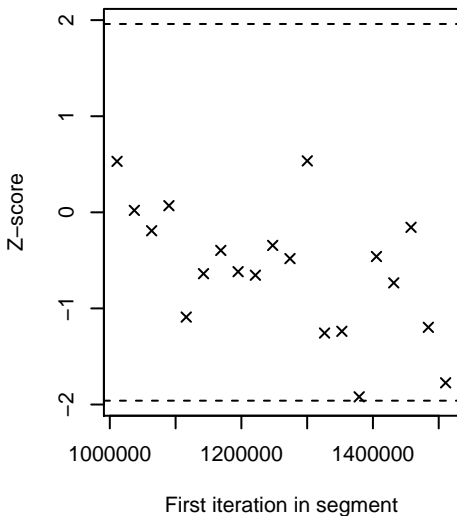
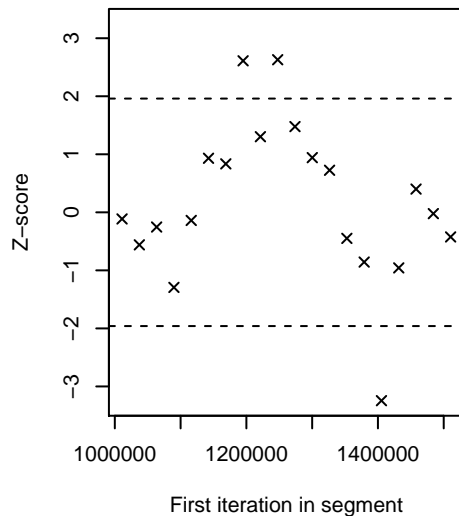
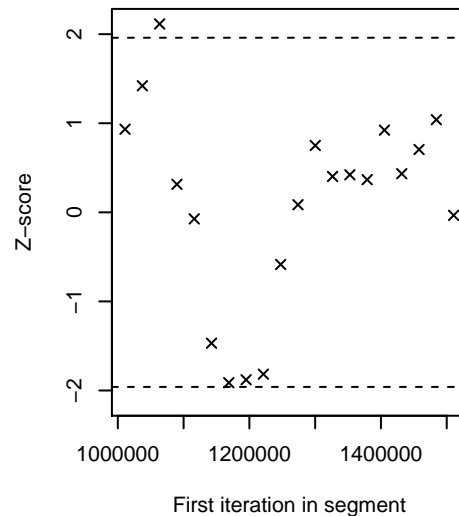
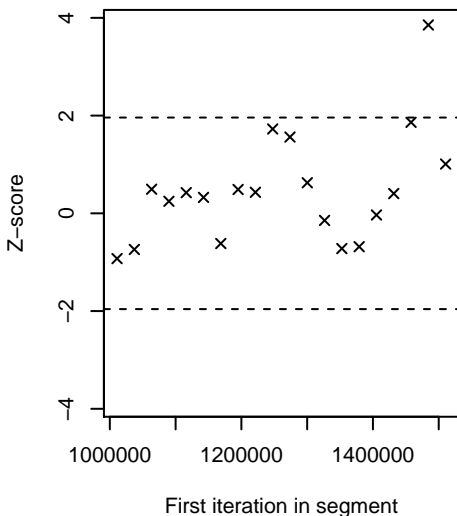
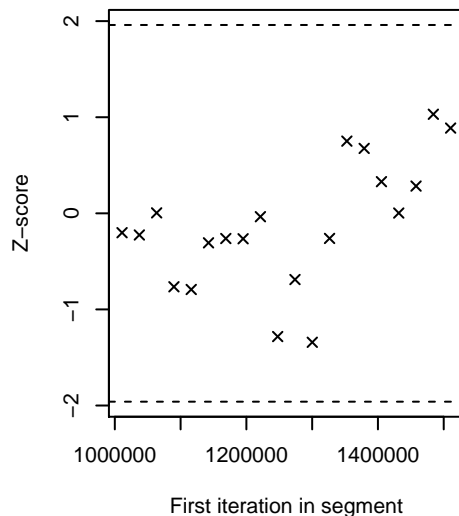
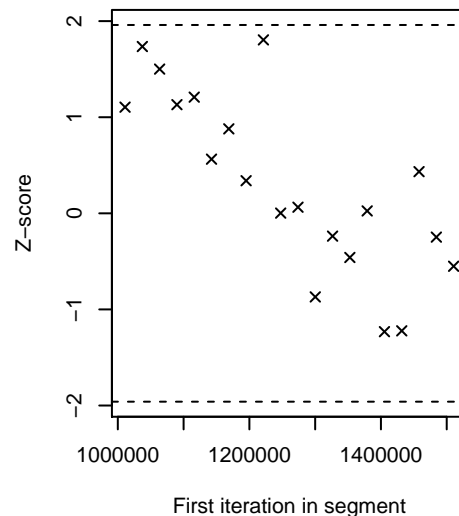
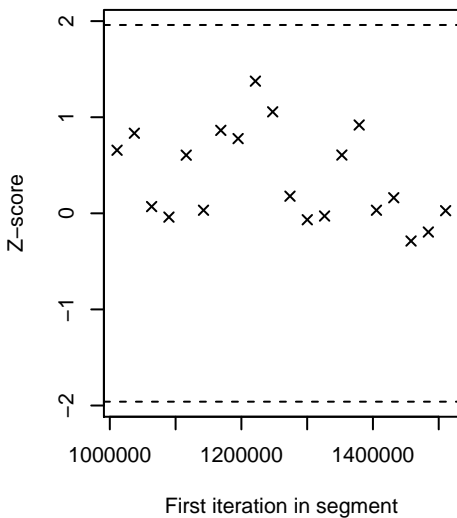
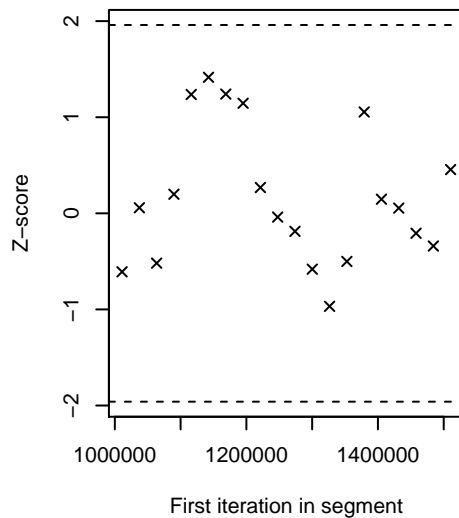
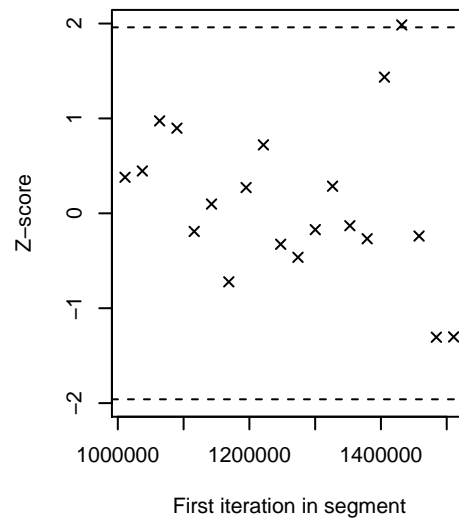
**H.B[5] (chain2)**

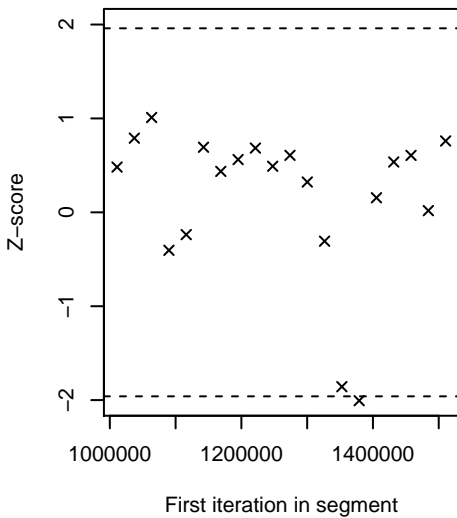
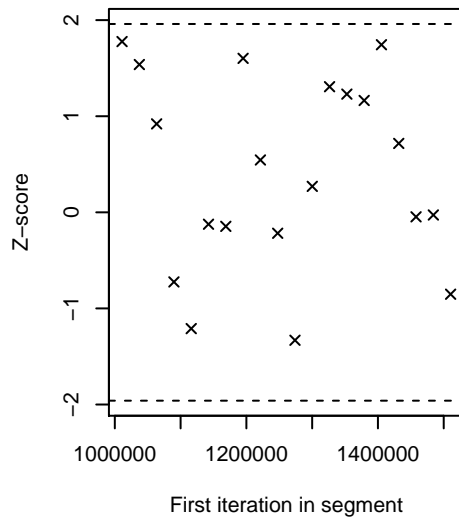
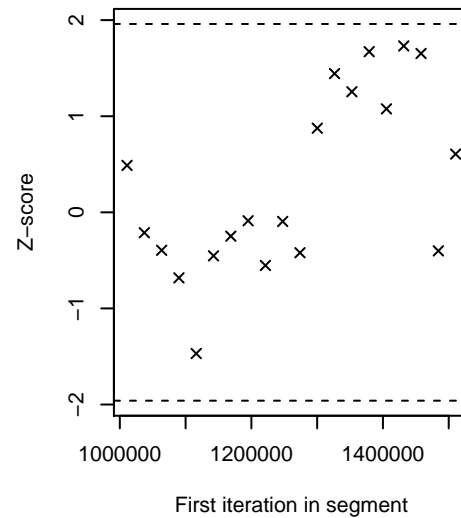
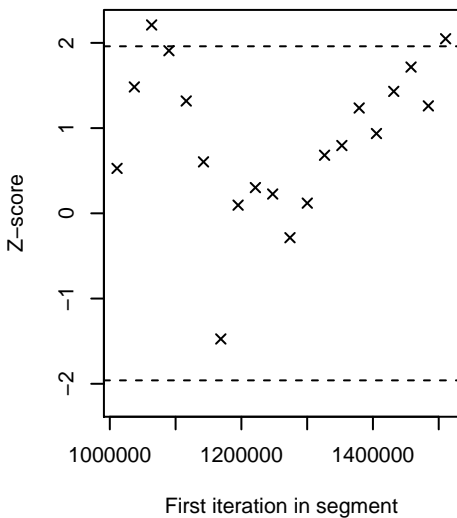
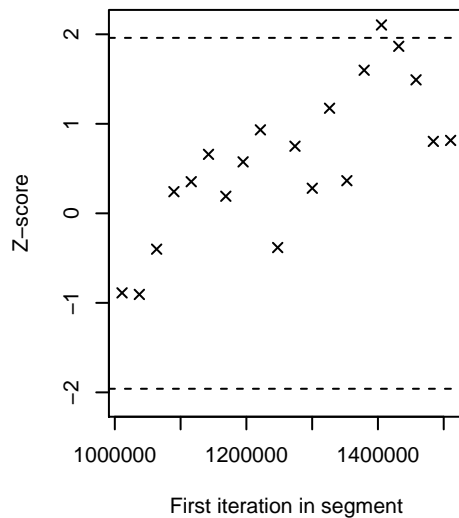
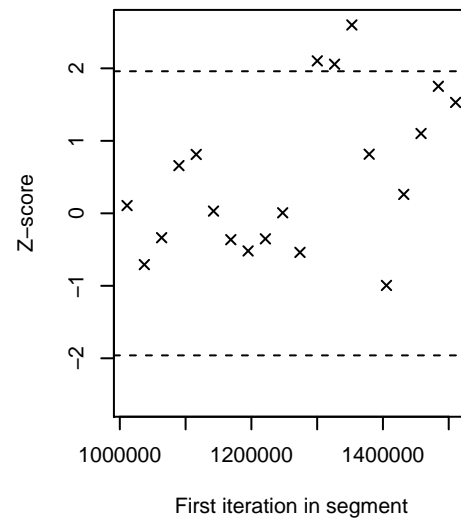
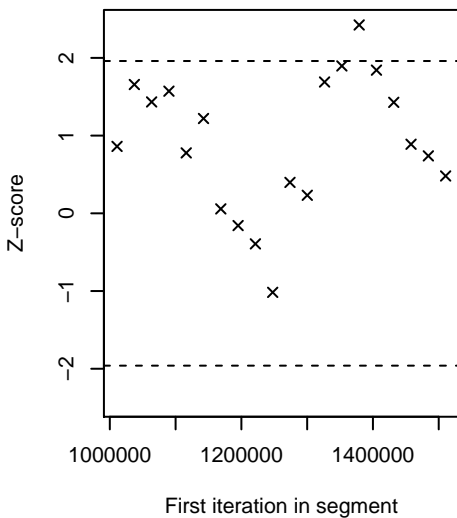
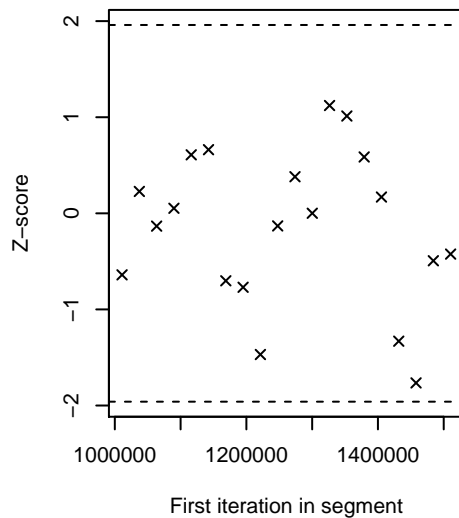
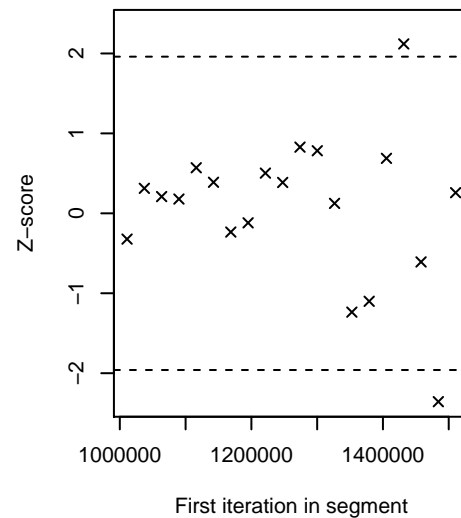


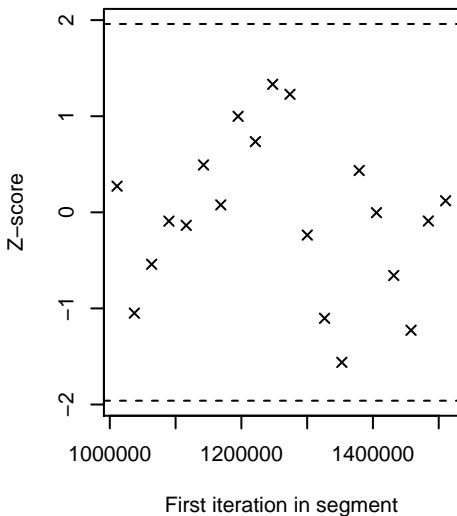
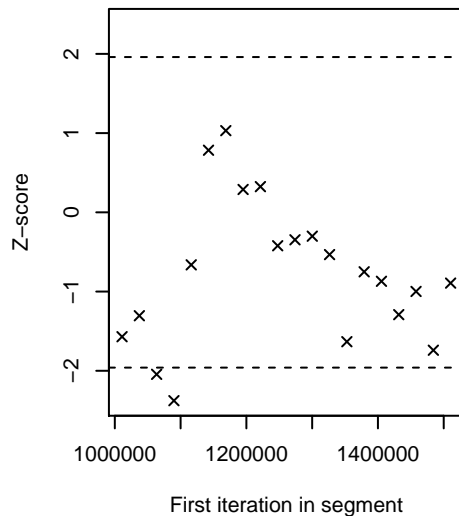
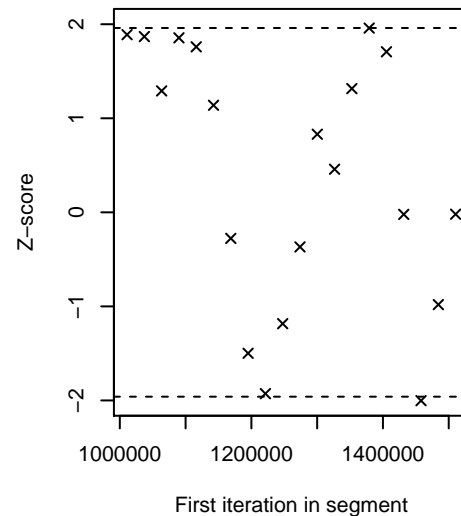
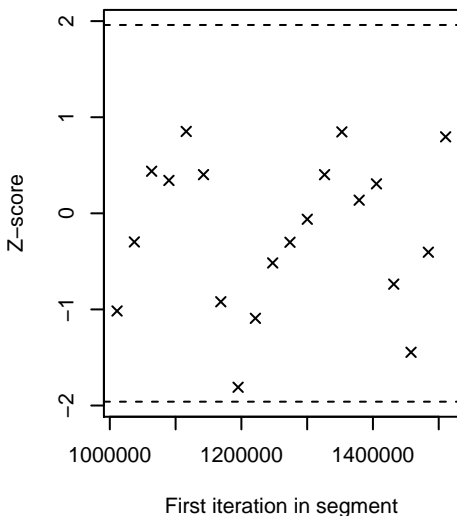
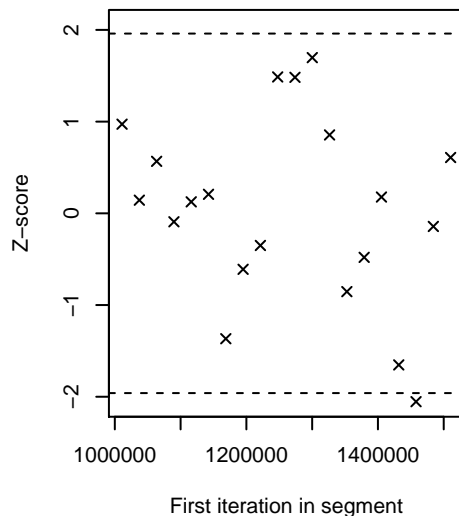
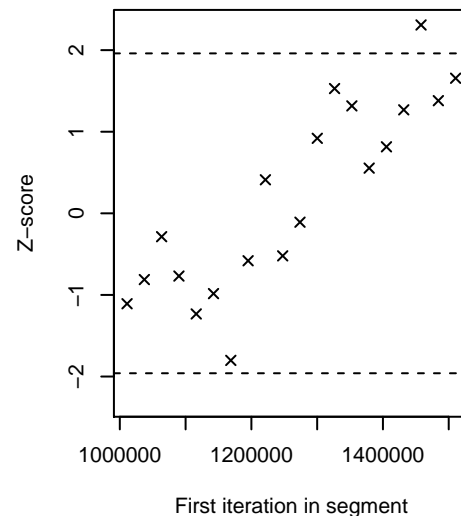
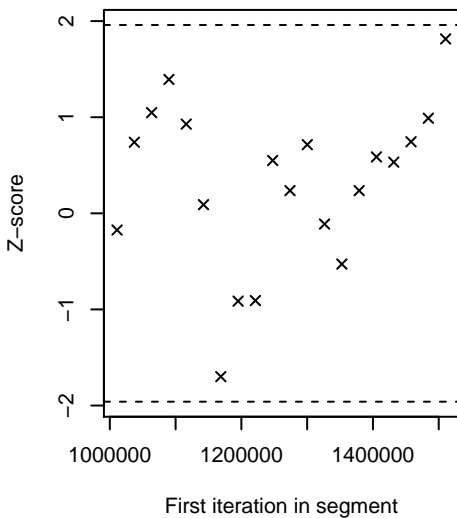
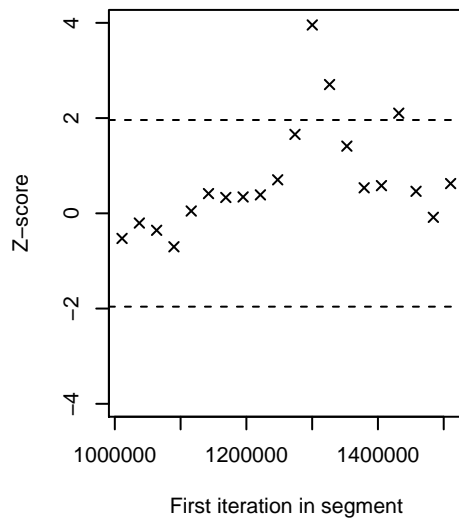
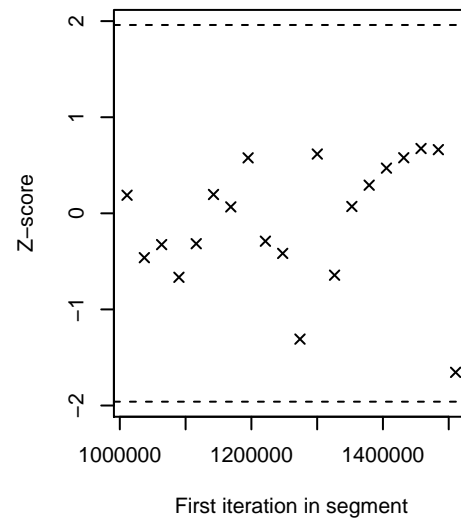
**H.B[6] (chain2)****H.B[7] (chain2)****H.B[8] (chain2)****H.B[9] (chain2)****H.B[10] (chain2)****H.B[11] (chain2)****H.B[12] (chain2)****H.B[13] (chain2)****H.B[14] (chain2)**

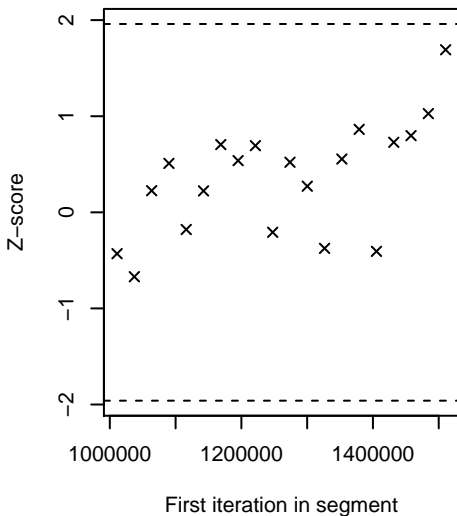
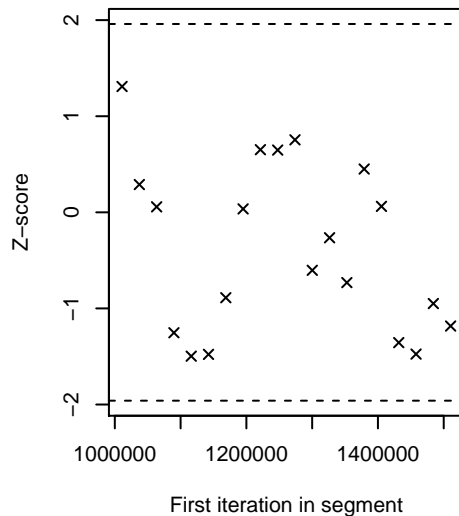
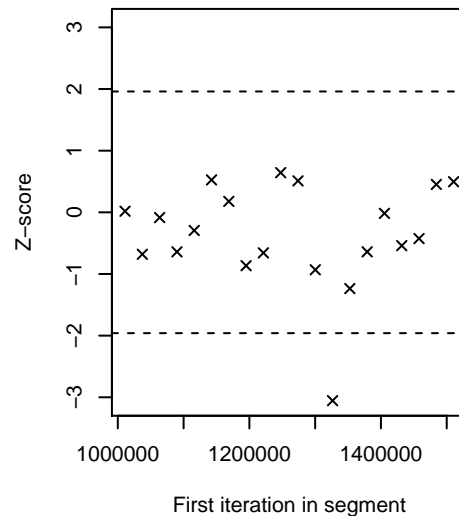
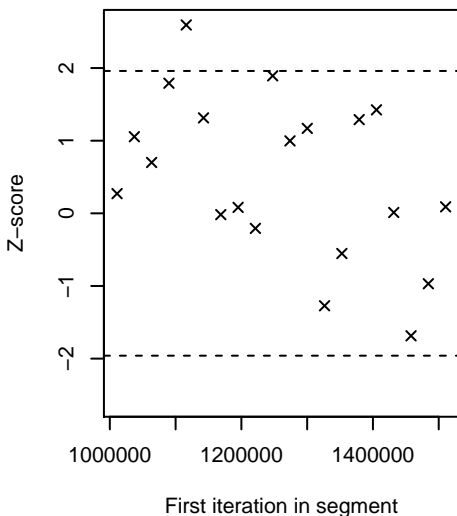
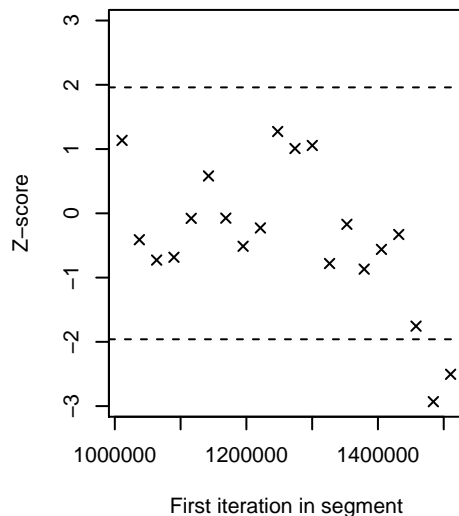
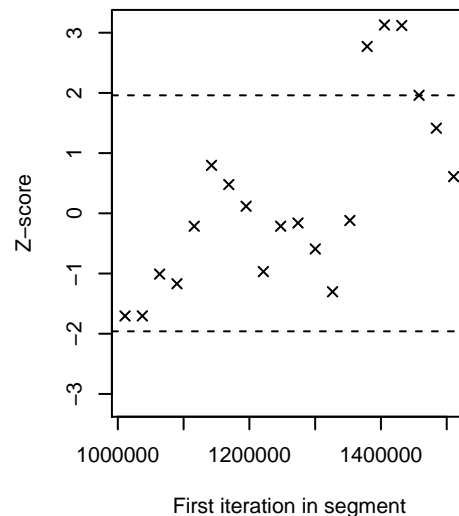
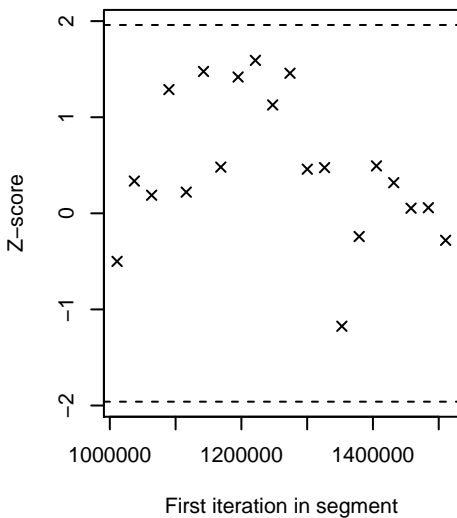
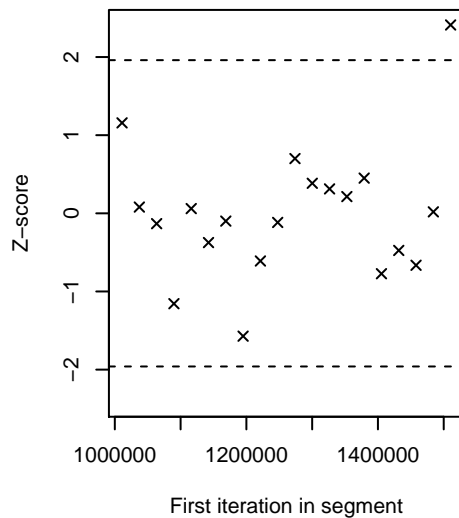
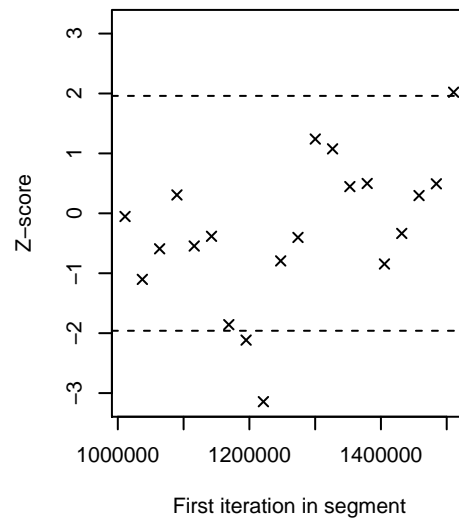
**H.B[15] (chain2)****H.B[16] (chain2)****H.B[17] (chain2)****H.B[18] (chain2)****H.B[19] (chain2)****H.B[20] (chain2)****H.B[21] (chain2)****H.B[22] (chain2)****H.B[23] (chain2)**

**H.B[24] (chain2)****H.B[25] (chain2)****H.B[26] (chain2)****H.B[27] (chain2)****H.B[28] (chain2)****H.B[29] (chain2)****H.B[30] (chain2)****H.B[31] (chain2)****H.B[32] (chain2)**

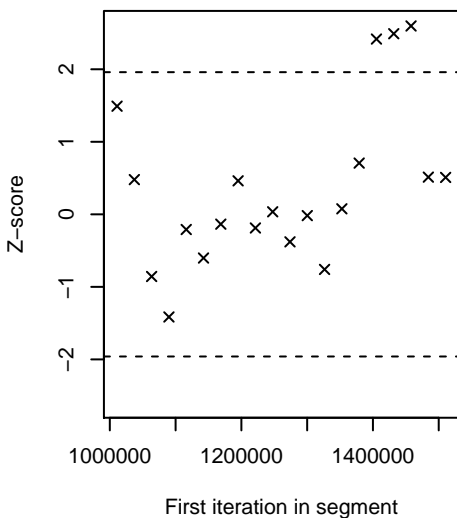
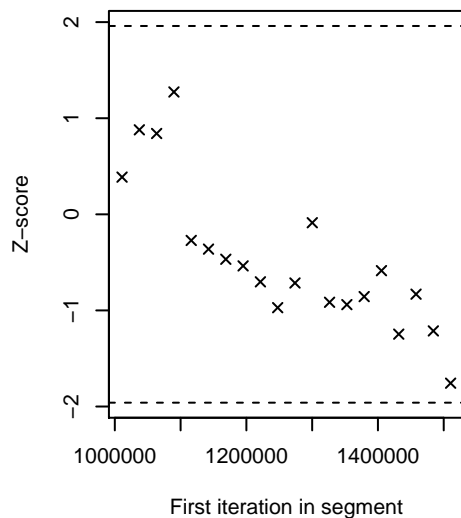
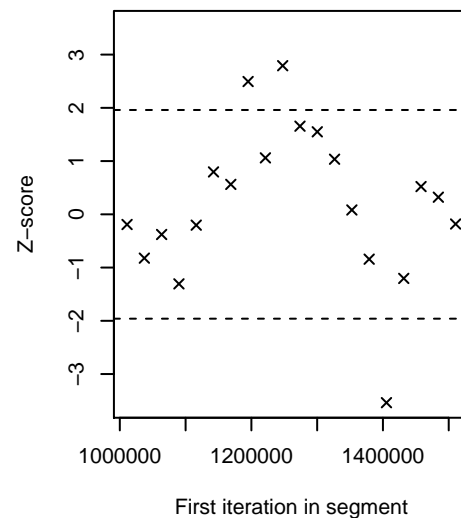
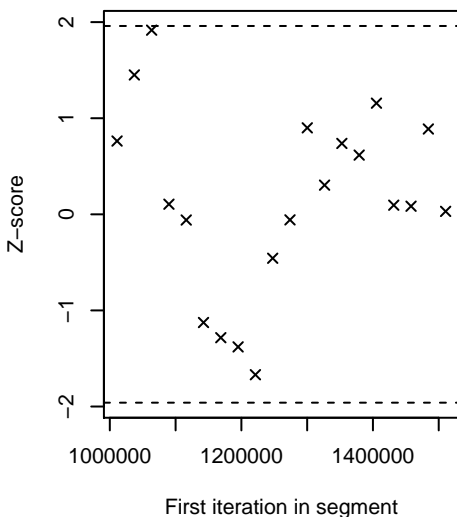
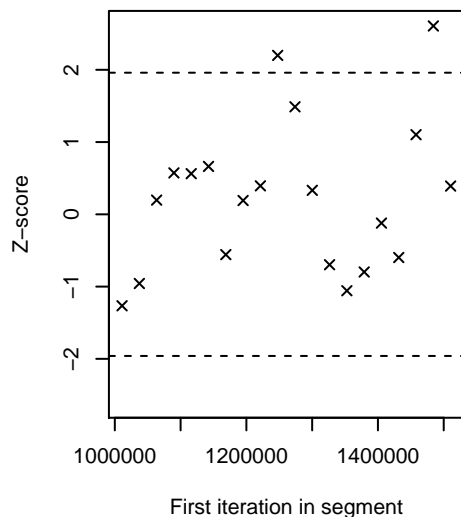
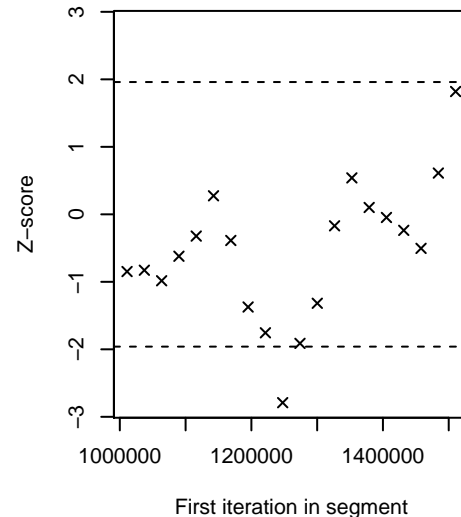
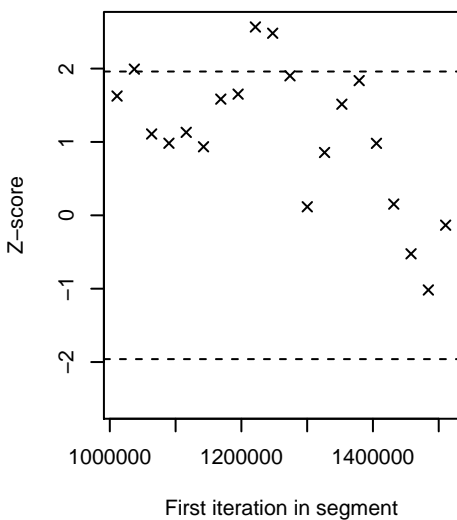
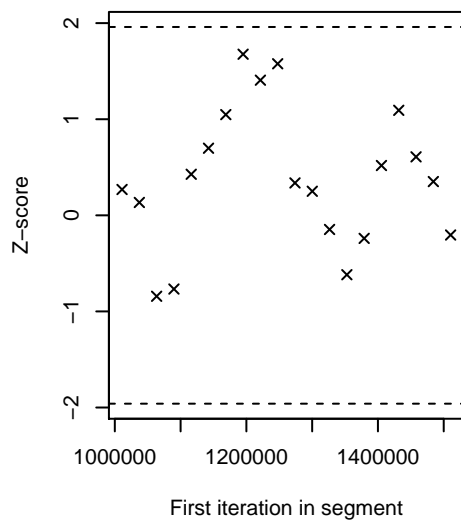
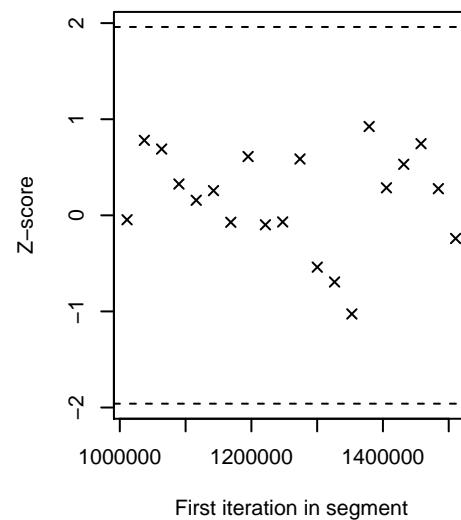
**H.B[33] (chain2)****H.B[34] (chain2)****H.B[35] (chain2)****H.B[36] (chain2)****H.B[37] (chain2)****N[1] (chain2)****N[2] (chain2)****N[3] (chain2)****N[4] (chain2)**

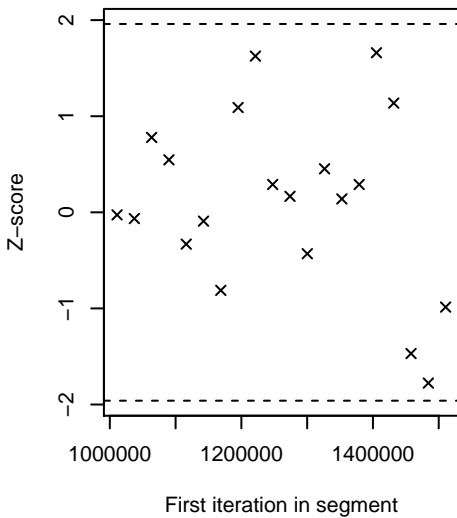
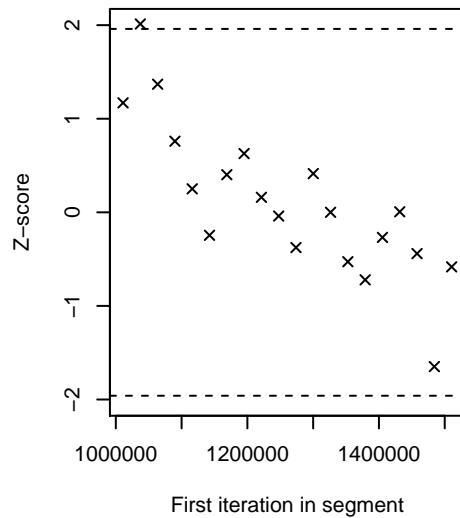
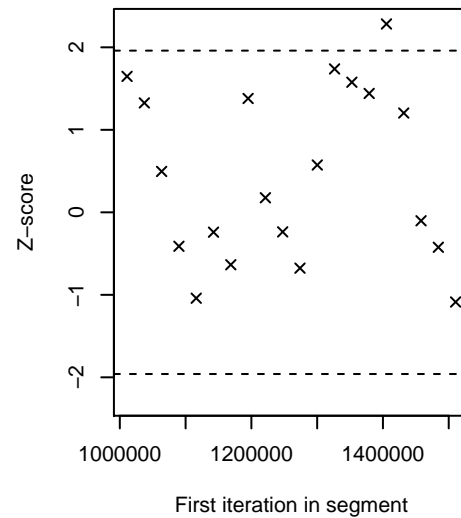
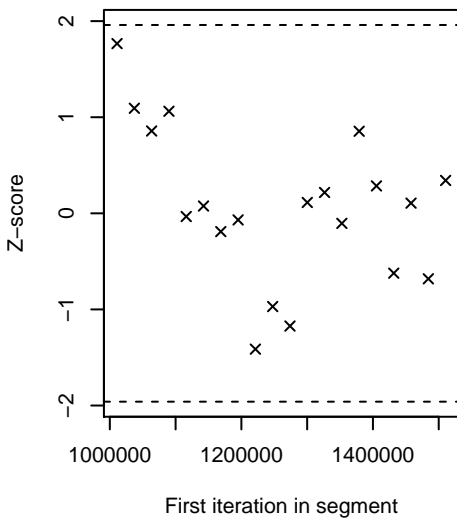
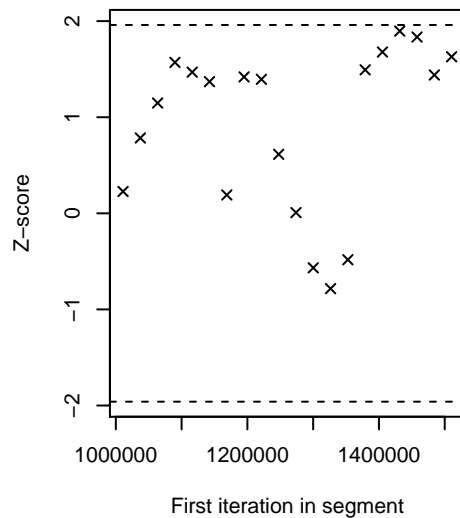
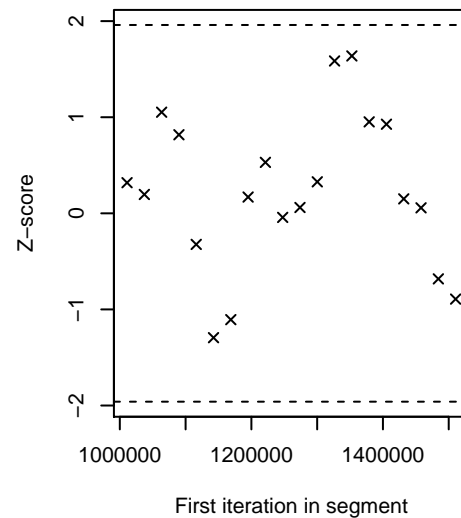
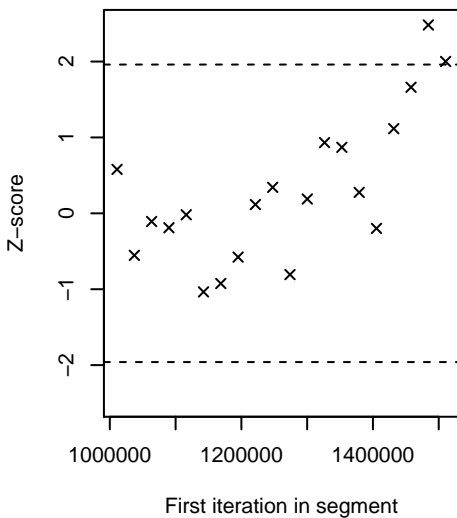
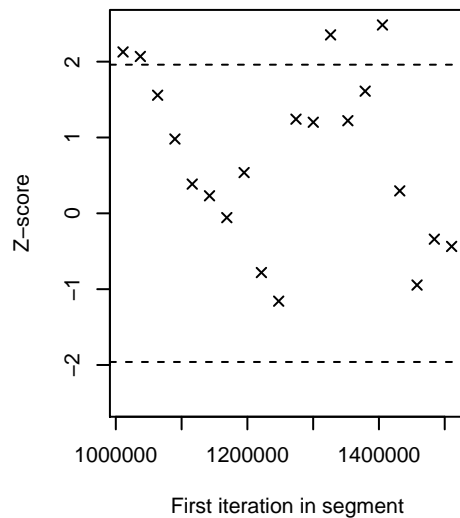
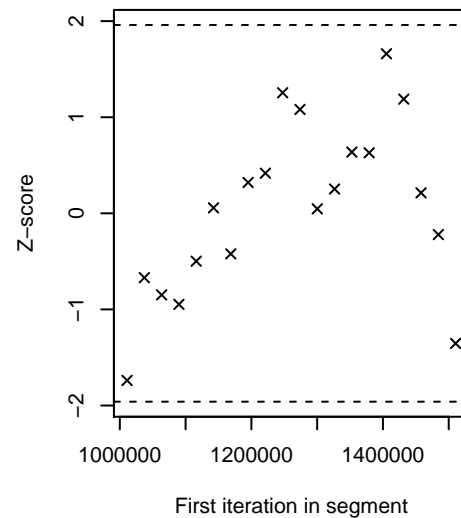
**N[5] (chain2)****N[6] (chain2)****N[7] (chain2)****N[8] (chain2)****N[9] (chain2)****N[10] (chain2)****N[11] (chain2)****N[12] (chain2)****N[13] (chain2)**

**N[14] (chain2)****N[15] (chain2)****N[16] (chain2)****N[17] (chain2)****N[18] (chain2)****N[19] (chain2)****N[20] (chain2)****N[21] (chain2)****N[22] (chain2)**

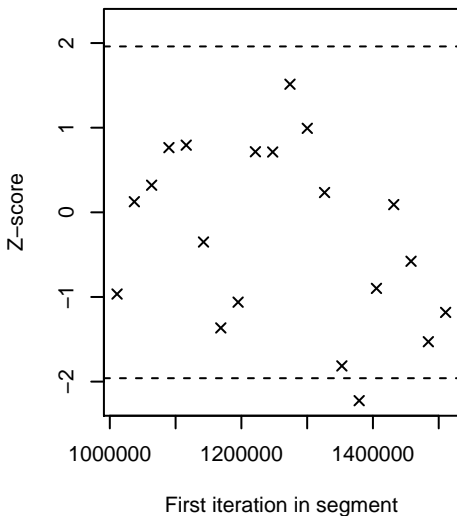
**N[23] (chain2)****N[24] (chain2)****N[25] (chain2)****N[26] (chain2)****N[27] (chain2)****N[28] (chain2)****N[29] (chain2)****N[30] (chain2)****N[31] (chain2)**



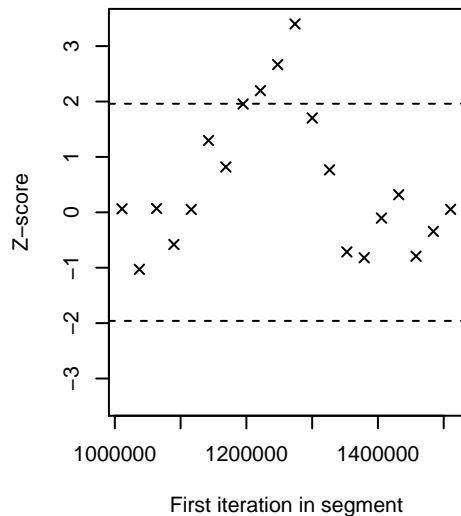
**N[32] (chain2)****N[33] (chain2)****N[34] (chain2)****N[35] (chain2)****N[36] (chain2)****N[37] (chain2)****N.ya[1,1] (chain2)****N.ya[2,1] (chain2)****N.ya[3,1] (chain2)**

**N.ya[4,1] (chain2)****N.ya[5,1] (chain2)****N.ya[6,1] (chain2)****N.ya[7,1] (chain2)****N.ya[8,1] (chain2)****N.ya[9,1] (chain2)****N.ya[10,1] (chain2)****N.ya[11,1] (chain2)****N.ya[12,1] (chain2)**

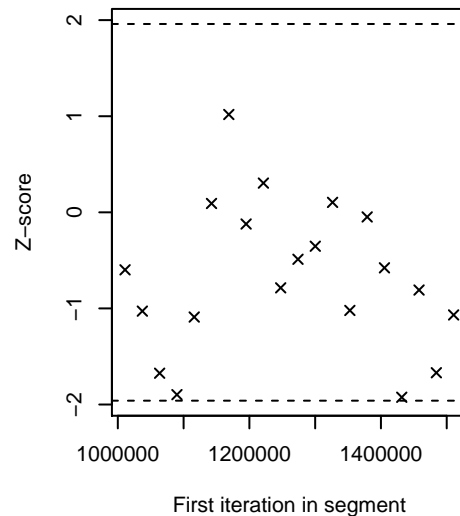
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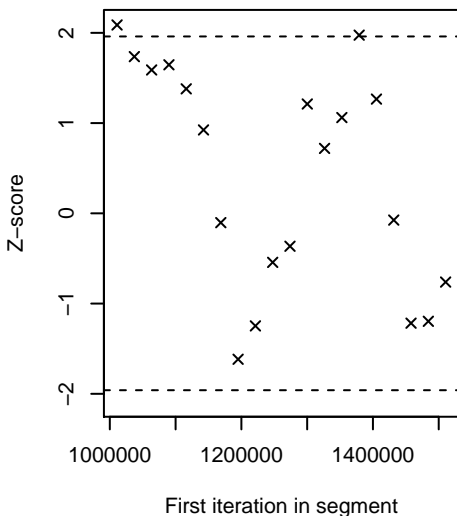
**N.ya[14,1] (chain2)**



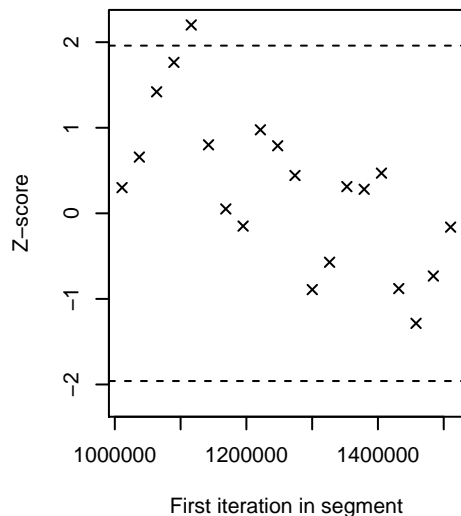
**N.ya[15,1] (chain2)**



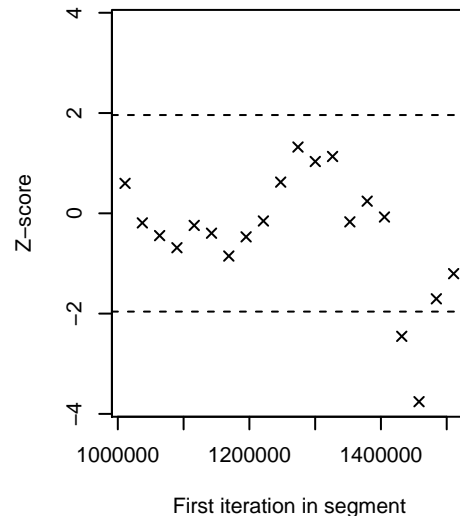
**N.ya[16,1] (chain2)**



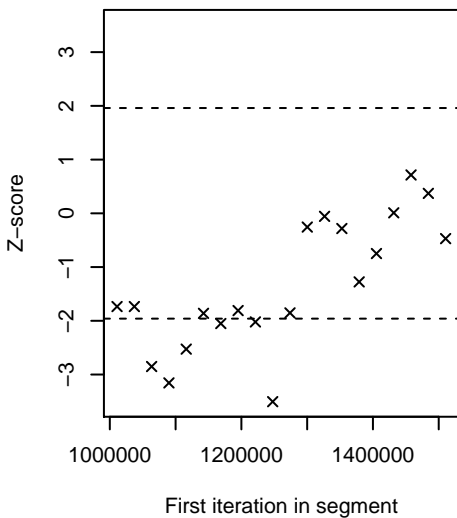
**N.ya[17,1] (chain2)**



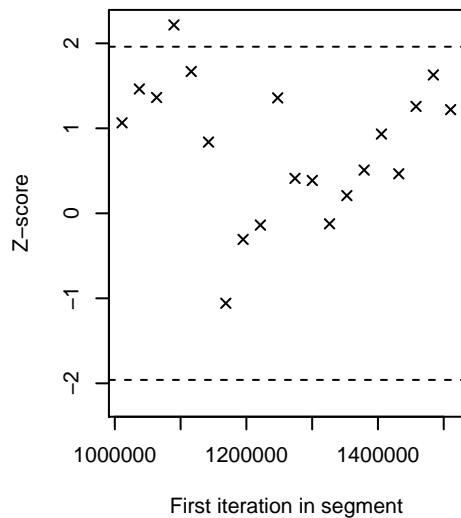
**N.ya[18,1] (chain2)**



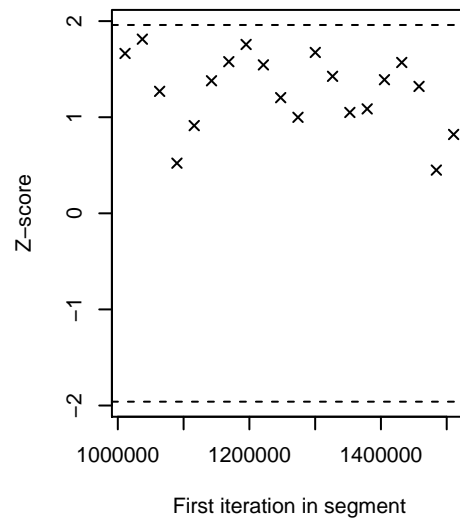
**N.ya[19,1] (chain2)**

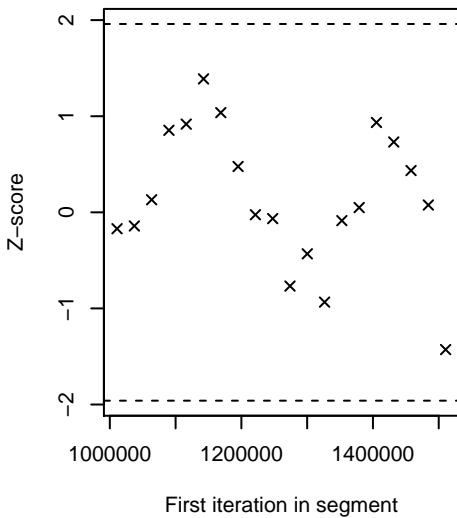
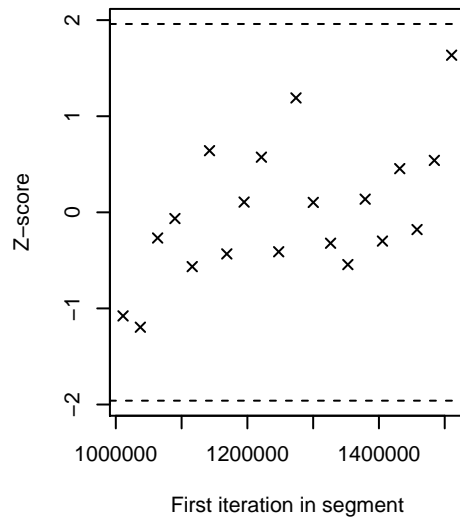
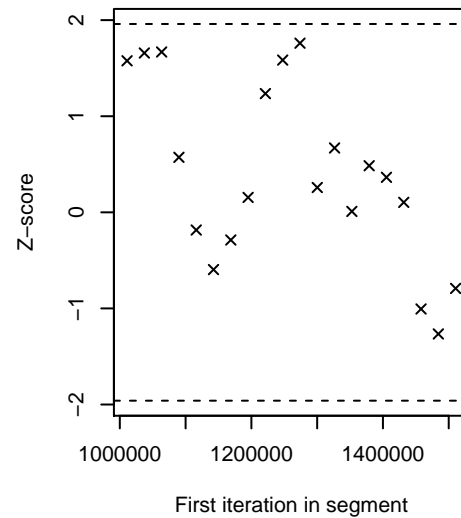
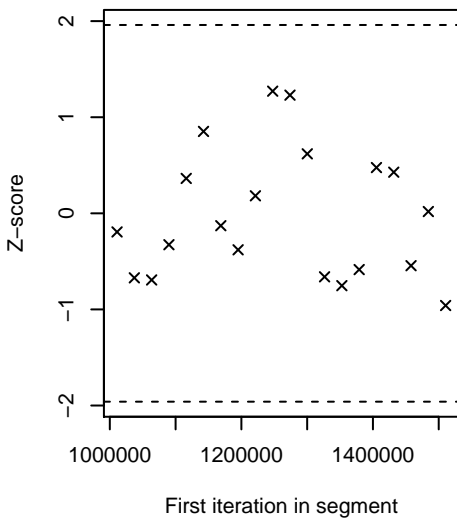
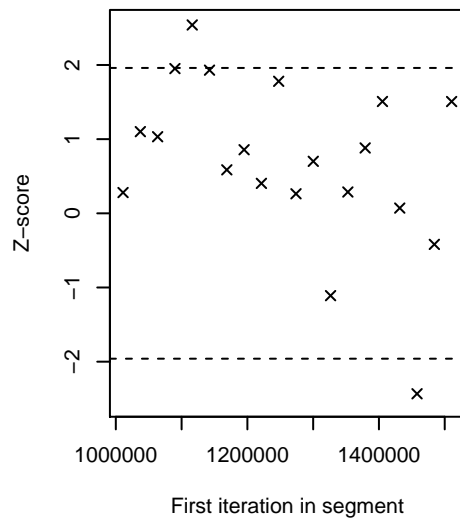
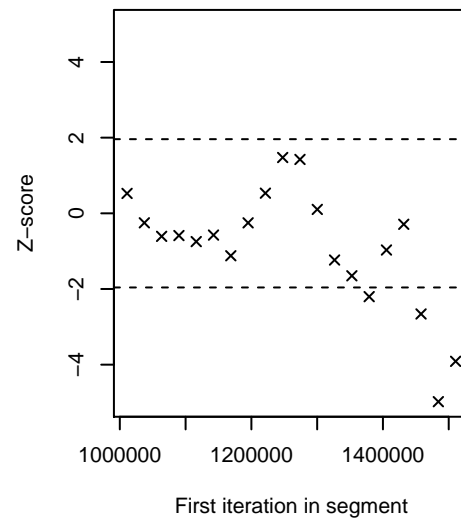
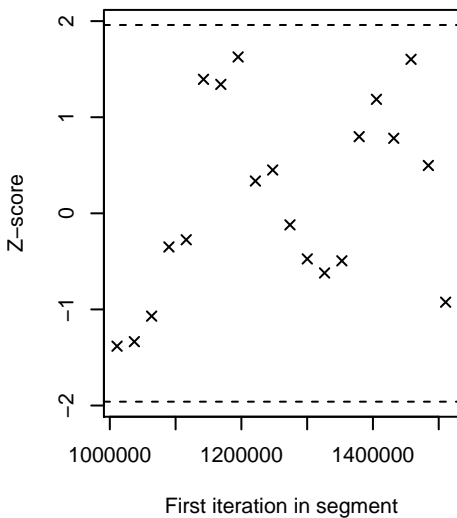
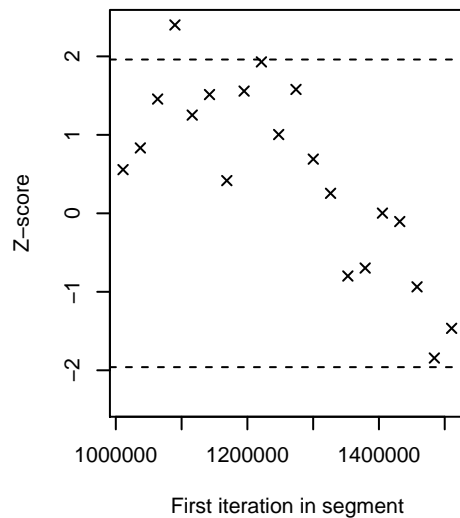
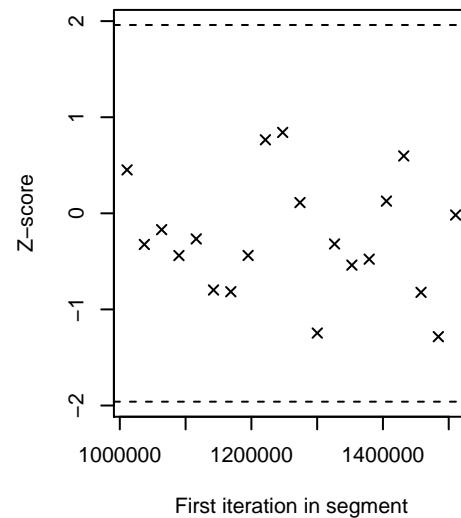


**N.ya[20,1] (chain2)**

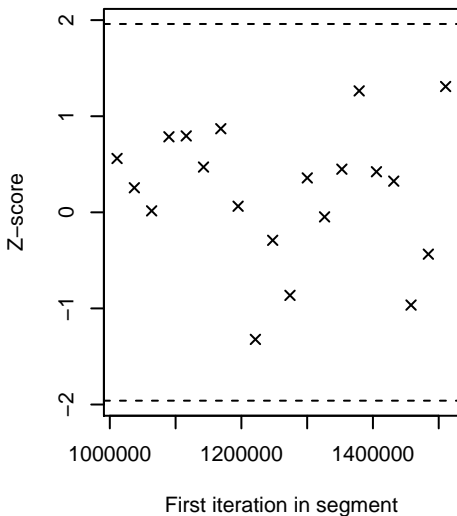


**N.ya[21,1] (chain2)**

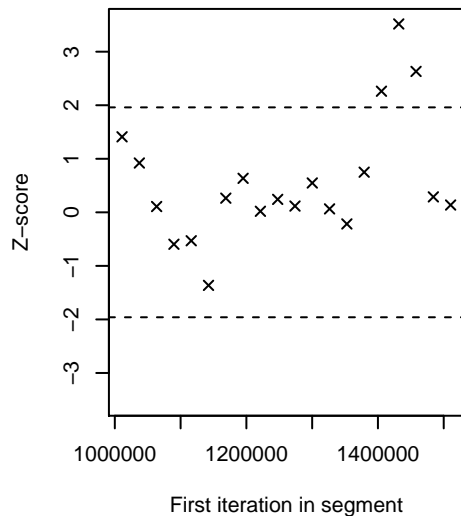


**N.ya[22,1] (chain2)****N.ya[23,1] (chain2)****N.ya[24,1] (chain2)****N.ya[25,1] (chain2)****N.ya[26,1] (chain2)****N.ya[27,1] (chain2)****N.ya[28,1] (chain2)****N.ya[29,1] (chain2)****N.ya[30,1] (chain2)**

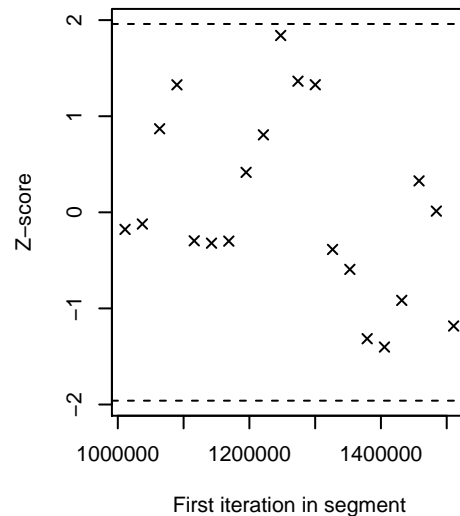
**N.ya[31,1] (chain2)**



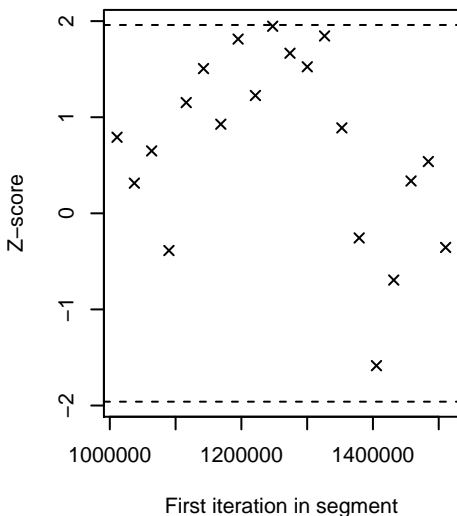
**N.ya[32,1] (chain2)**



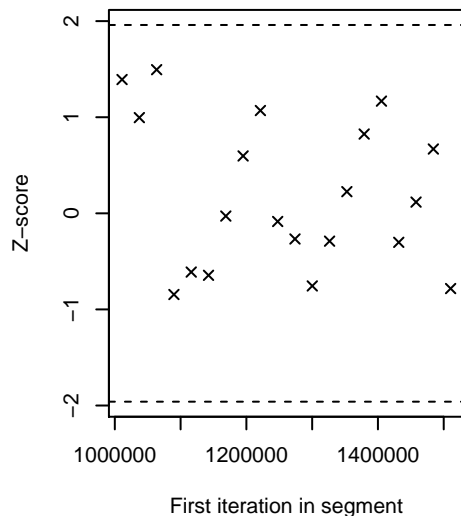
**N.ya[33,1] (chain2)**



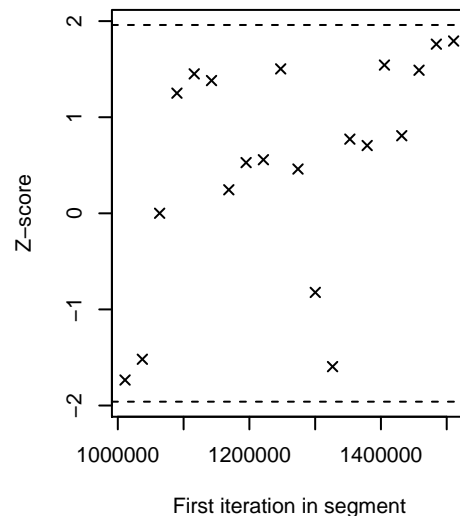
**N.ya[34,1] (chain2)**



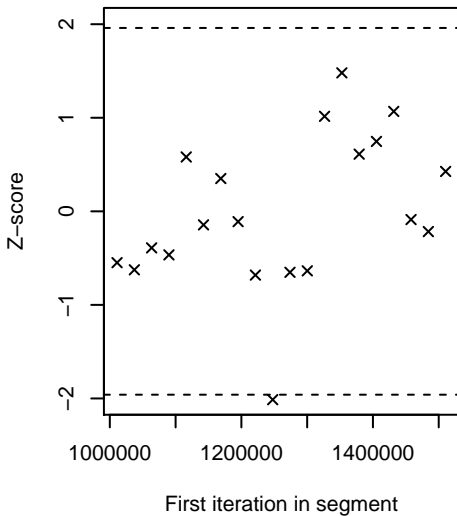
**N.ya[35,1] (chain2)**



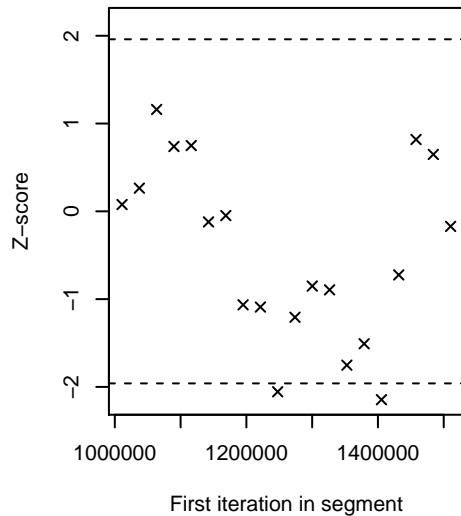
**N.ya[36,1] (chain2)**



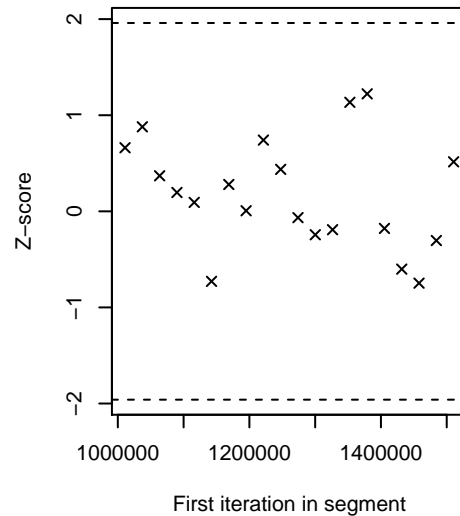
**N.ya[37,1] (chain2)**

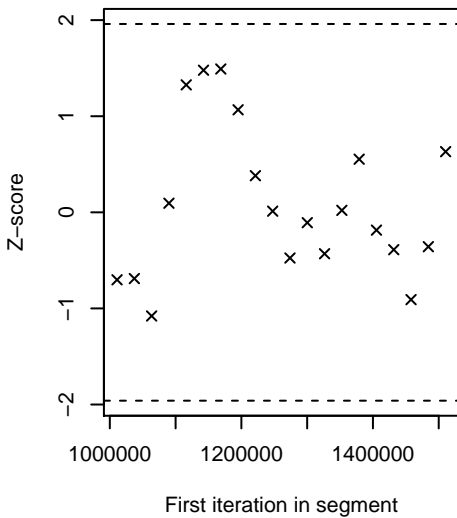
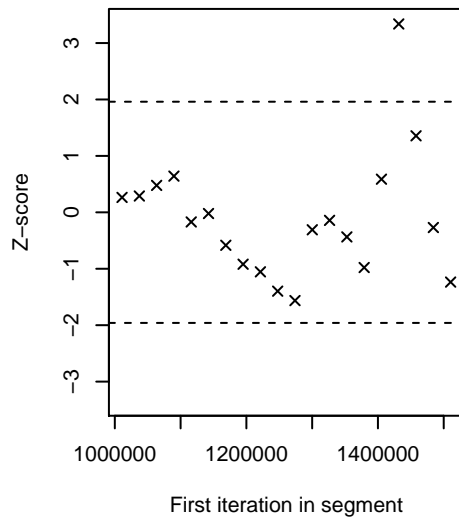
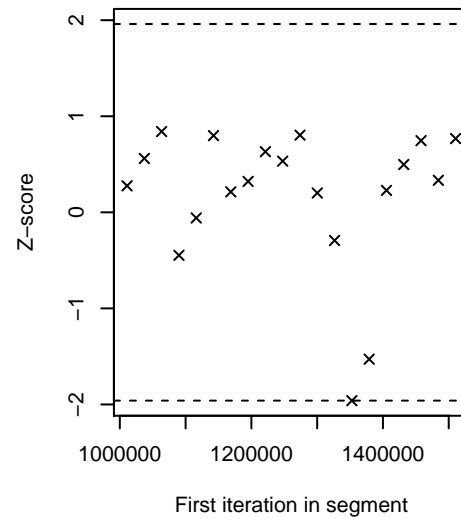
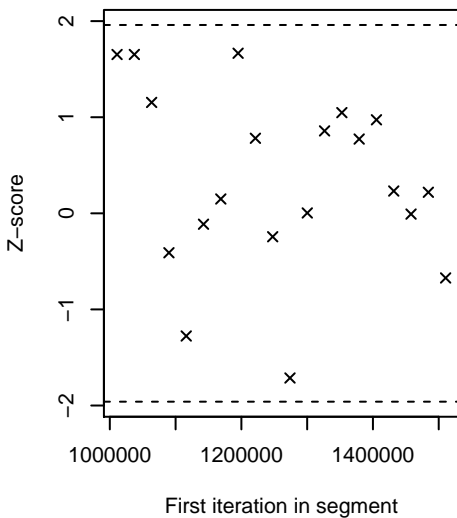
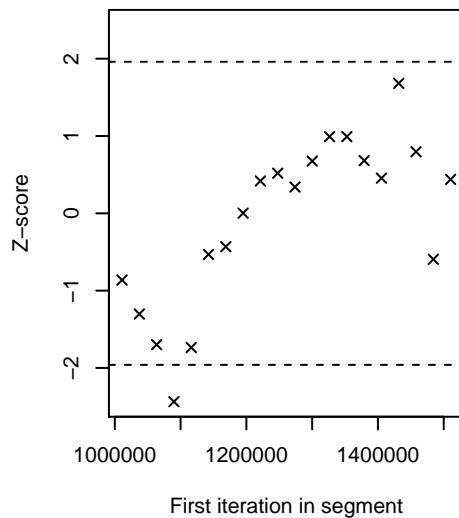
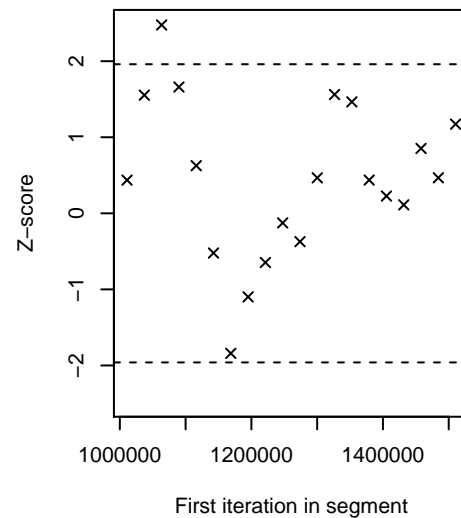
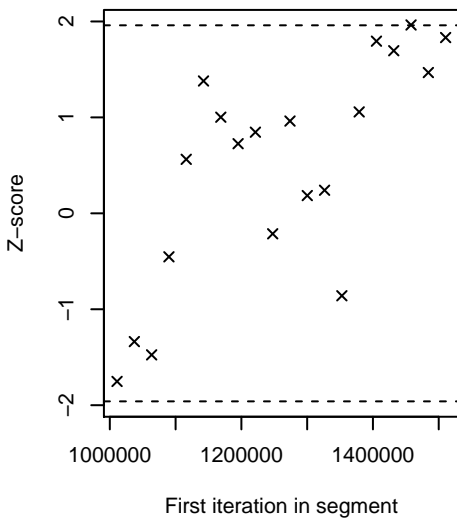
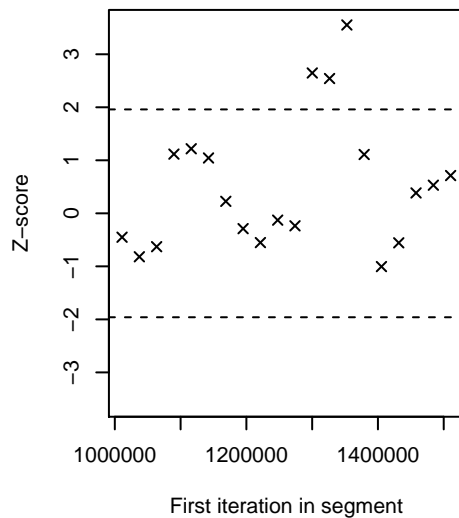
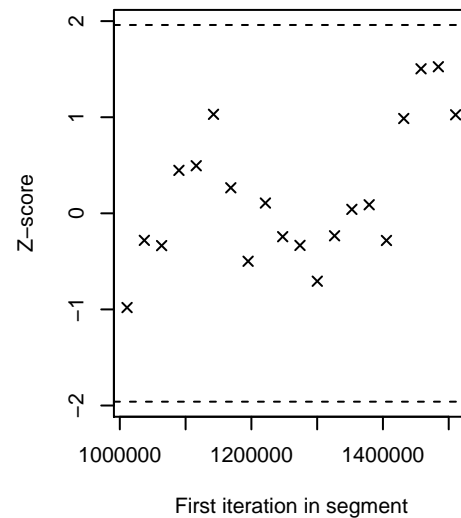


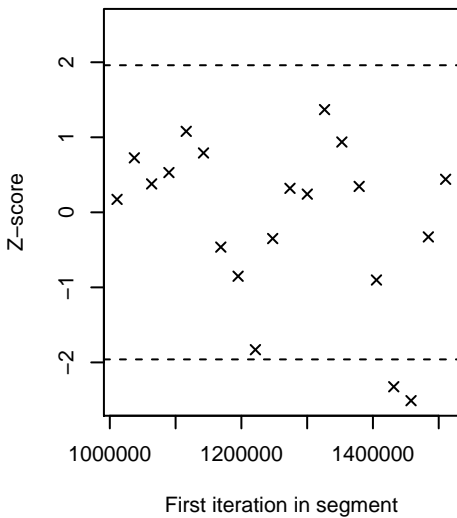
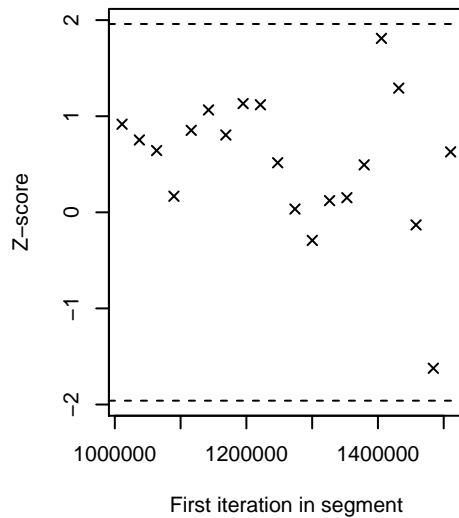
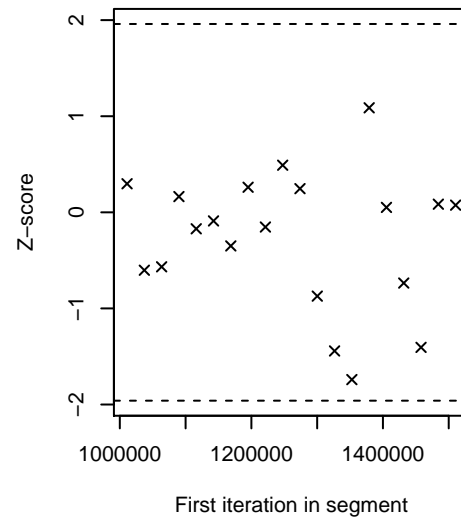
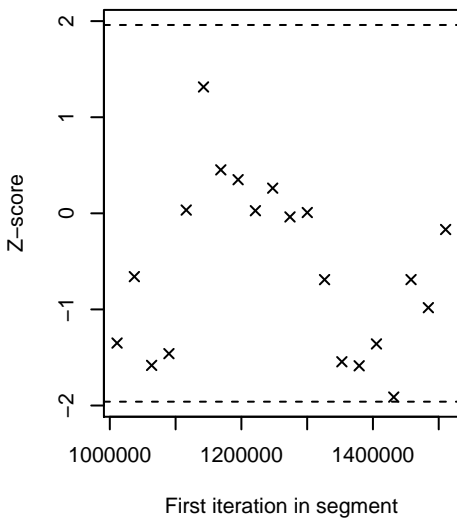
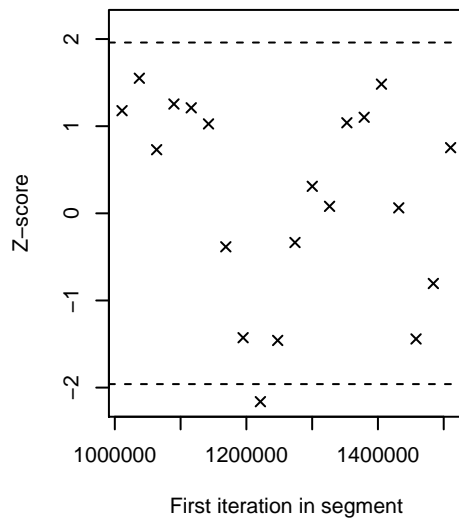
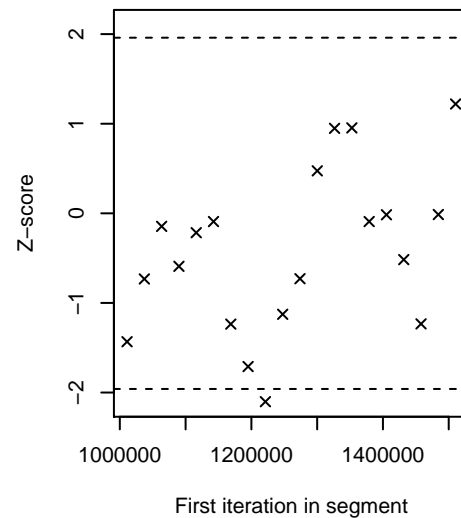
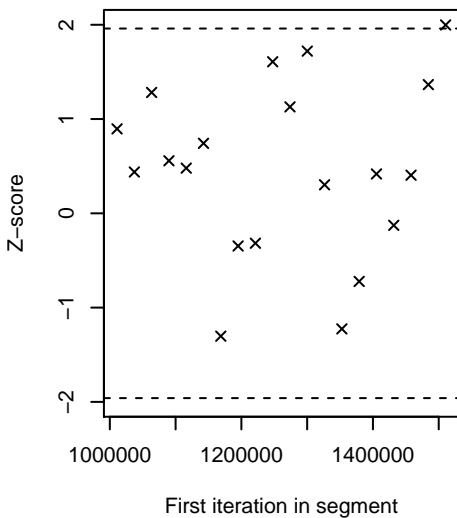
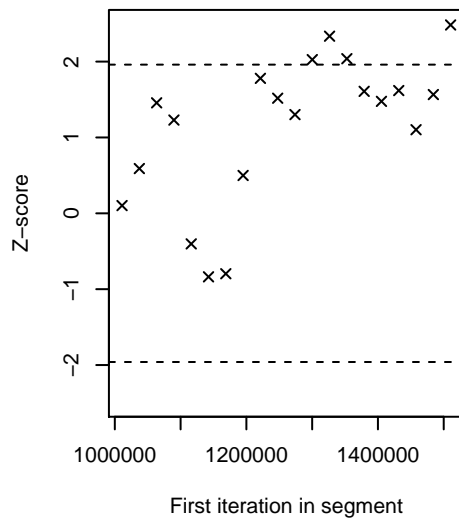
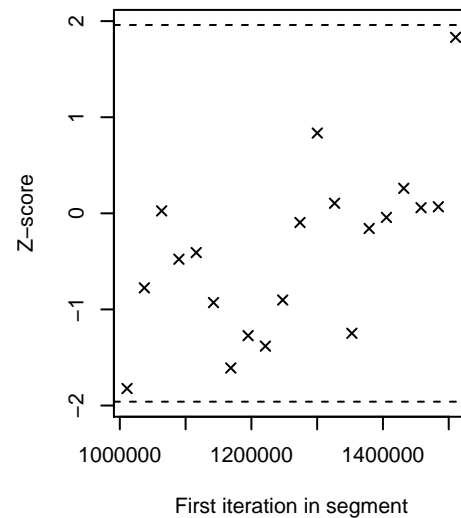
**N.ya[1,2] (chain2)**



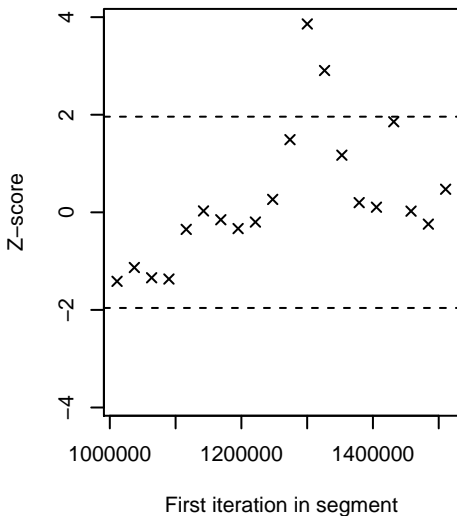
**N.ya[2,2] (chain2)**



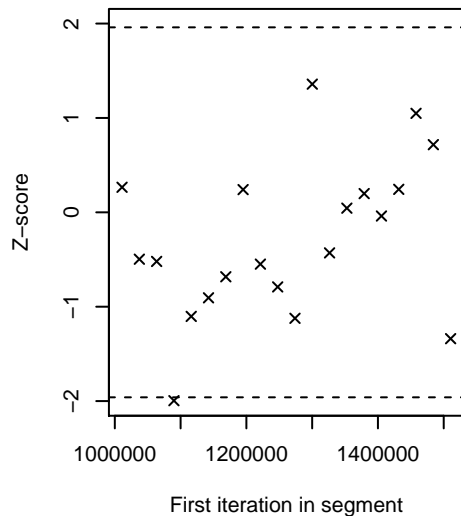
**N.ya[3,2] (chain2)****N.ya[4,2] (chain2)****N.ya[5,2] (chain2)****N.ya[6,2] (chain2)****N.ya[7,2] (chain2)****N.ya[8,2] (chain2)****N.ya[9,2] (chain2)****N.ya[10,2] (chain2)****N.ya[11,2] (chain2)**

**N.ya[12,2] (chain2)****N.ya[13,2] (chain2)****N.ya[14,2] (chain2)****N.ya[15,2] (chain2)****N.ya[16,2] (chain2)****N.ya[17,2] (chain2)****N.ya[18,2] (chain2)****N.ya[19,2] (chain2)****N.ya[20,2] (chain2)**

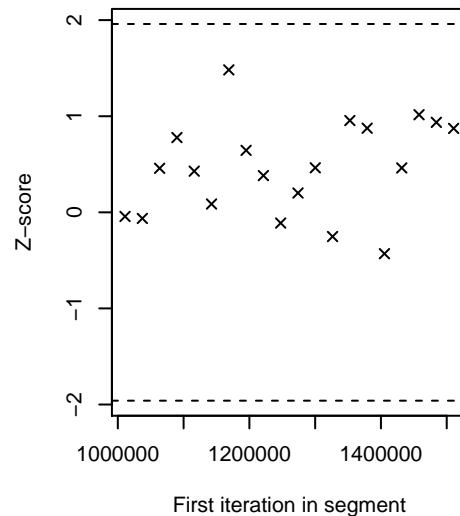
**N.ya[21,2] (chain2)**



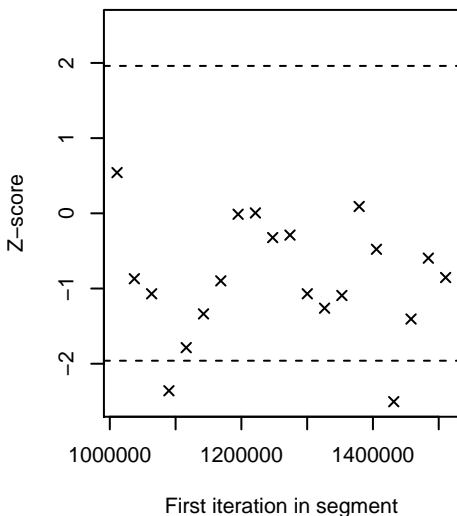
**N.ya[22,2] (chain2)**



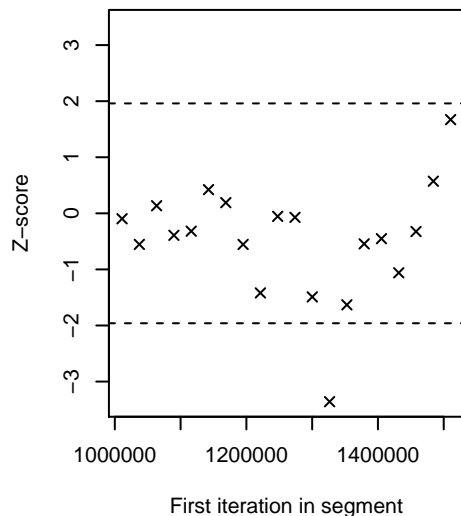
**N.ya[23,2] (chain2)**



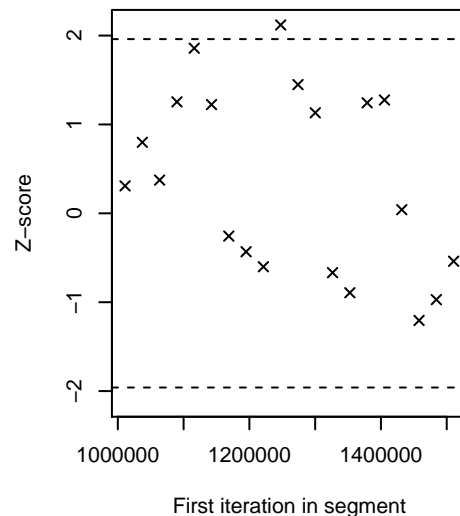
**N.ya[24,2] (chain2)**



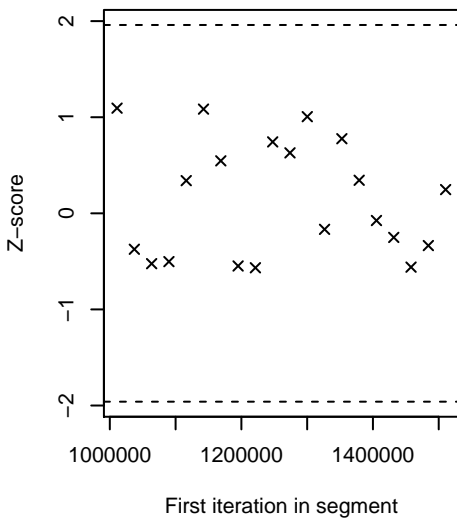
**N.ya[25,2] (chain2)**



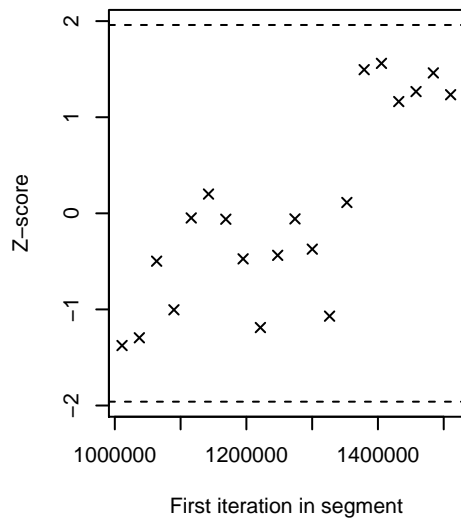
**N.ya[26,2] (chain2)**



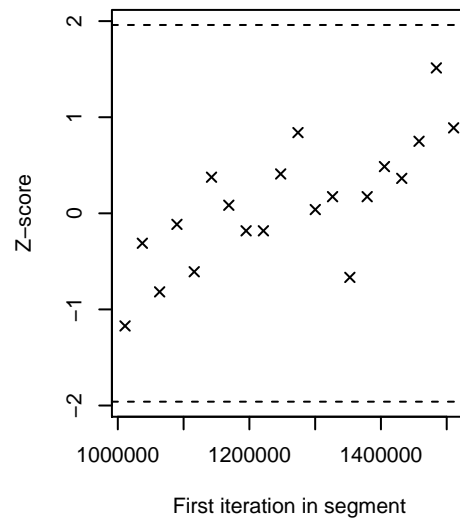
**N.ya[27,2] (chain2)**



**N.ya[28,2] (chain2)**

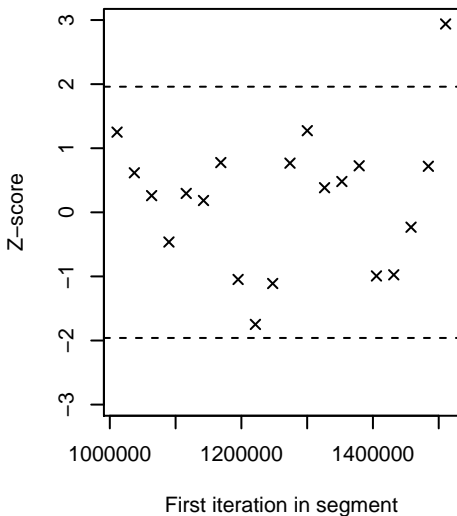


**N.ya[29,2] (chain2)**

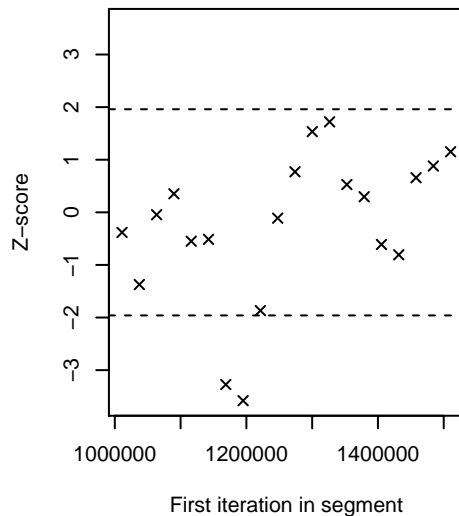




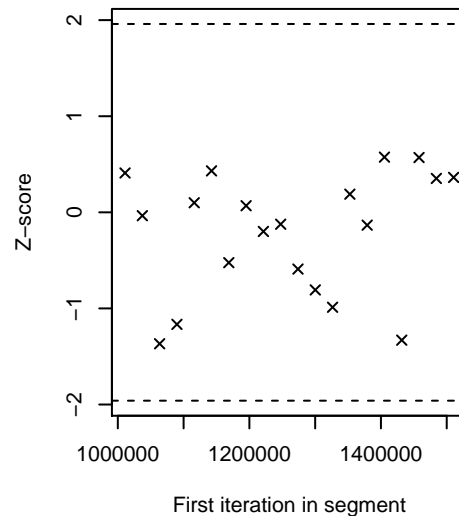
**N.ya[30,2] (chain2)**



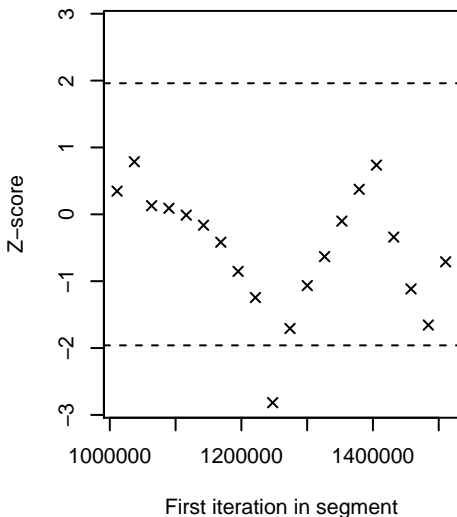
**N.ya[31,2] (chain2)**



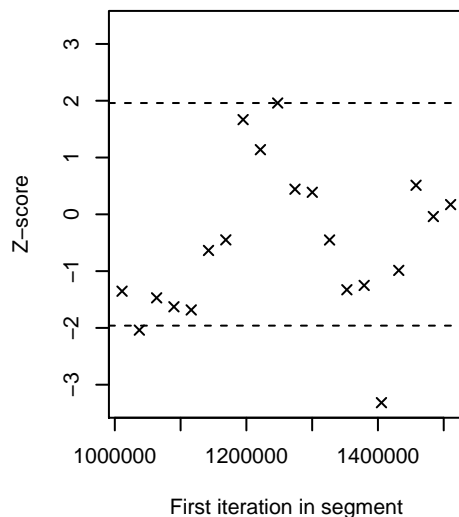
**N.ya[32,2] (chain2)**



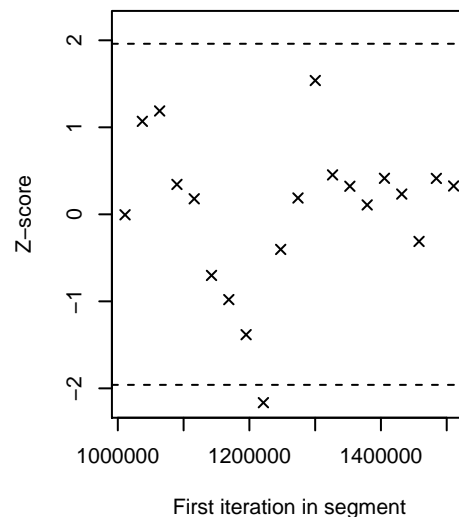
**N.ya[33,2] (chain2)**



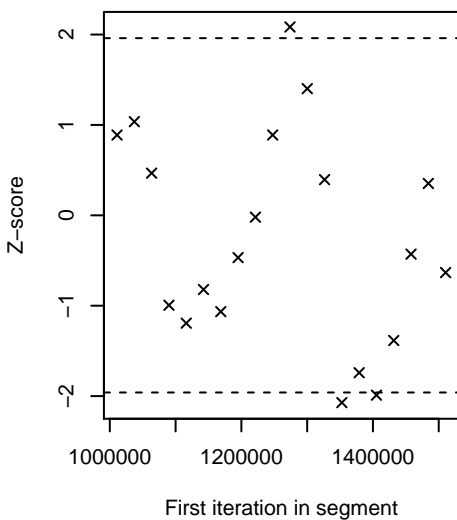
**N.ya[34,2] (chain2)**



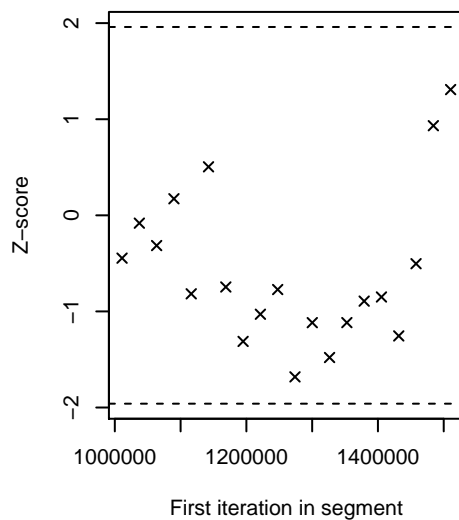
**N.ya[35,2] (chain2)**



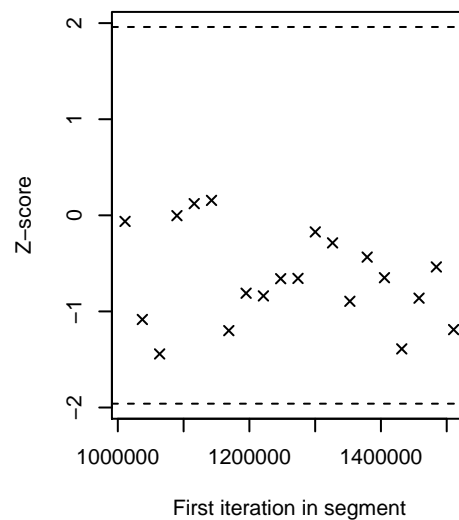
**N.ya[36,2] (chain2)**



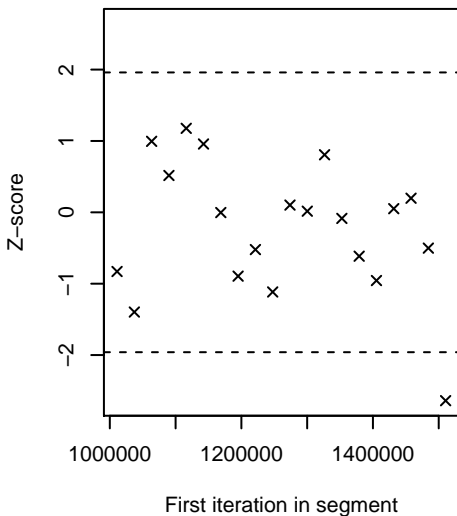
**N.ya[37,2] (chain2)**



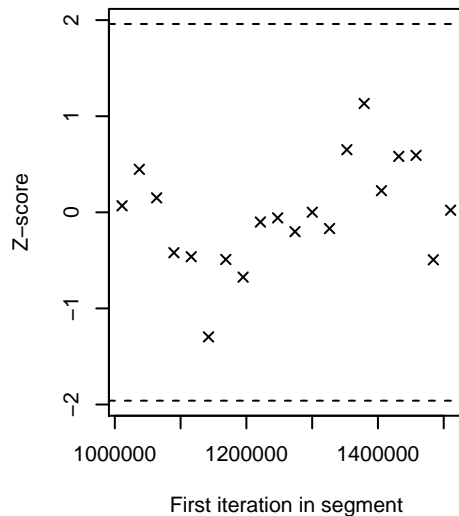
**N.ya[1,3] (chain2)**



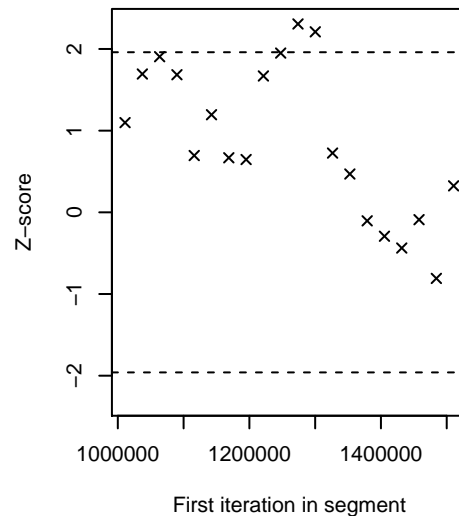
**N.ya[2,3] (chain2)**



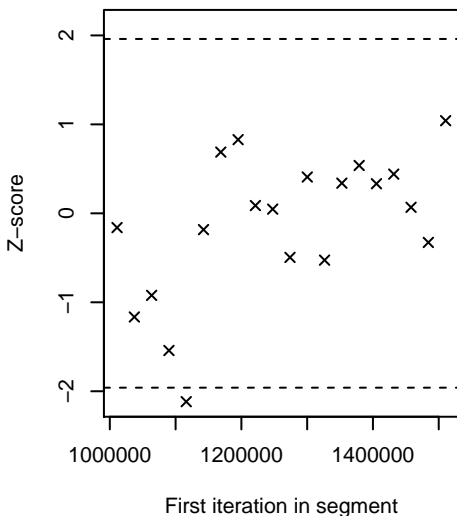
**N.ya[3,3] (chain2)**



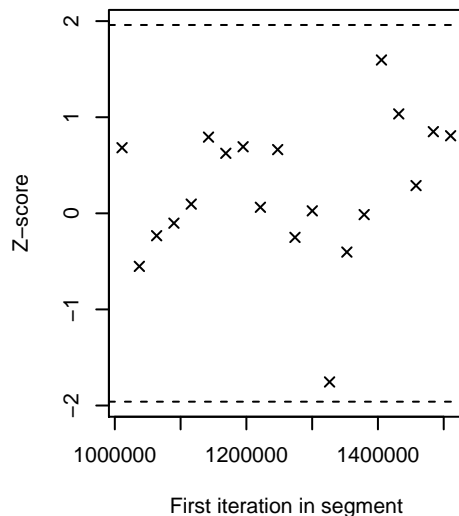
**N.ya[4,3] (chain2)**



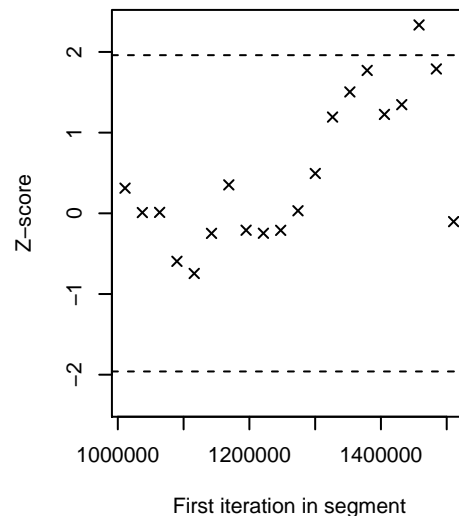
**N.ya[5,3] (chain2)**



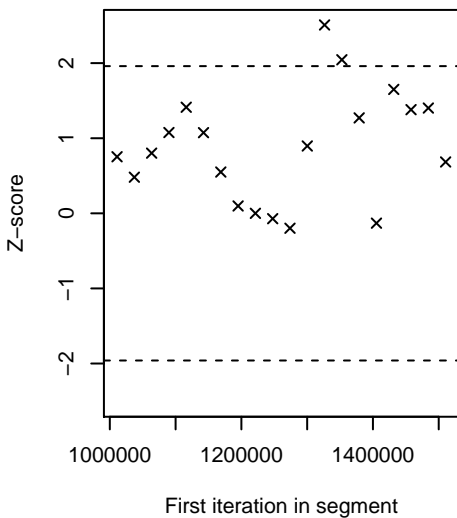
**N.ya[6,3] (chain2)**



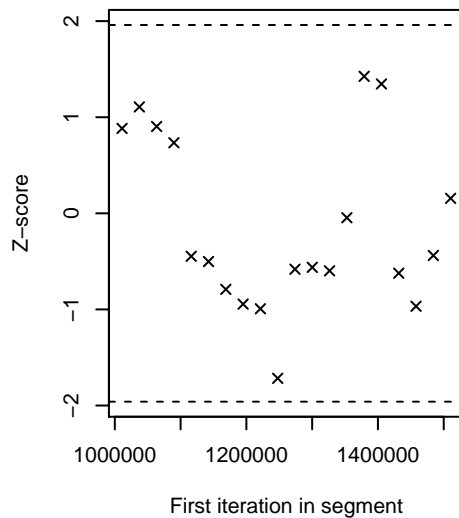
**N.ya[7,3] (chain2)**



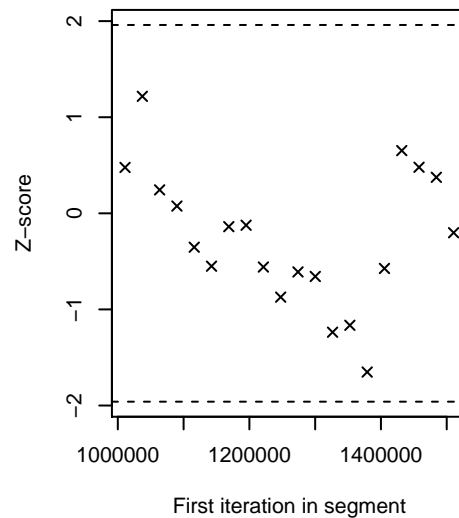
**N.ya[8,3] (chain2)**



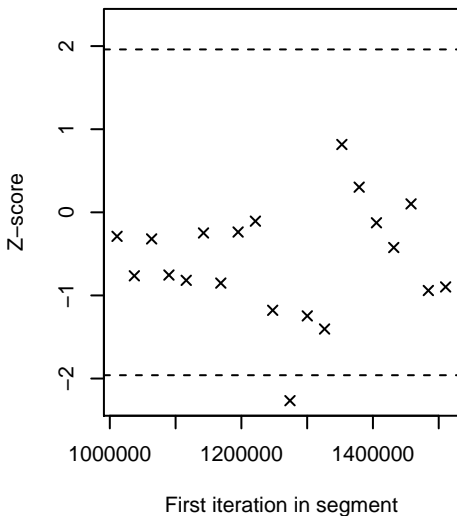
**N.ya[9,3] (chain2)**



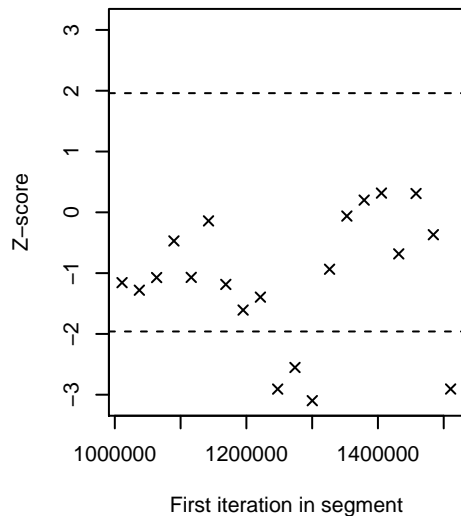
**N.ya[10,3] (chain2)**



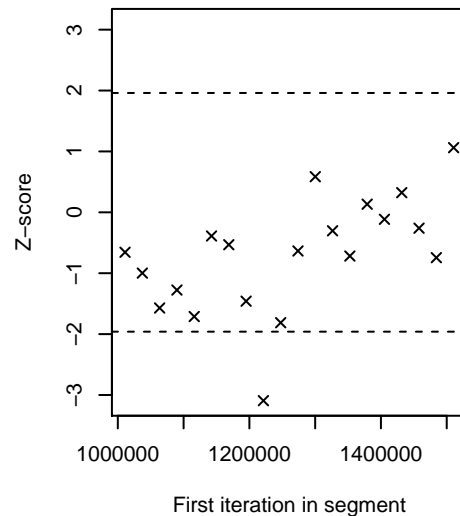
**N.ya[11,3] (chain2)**



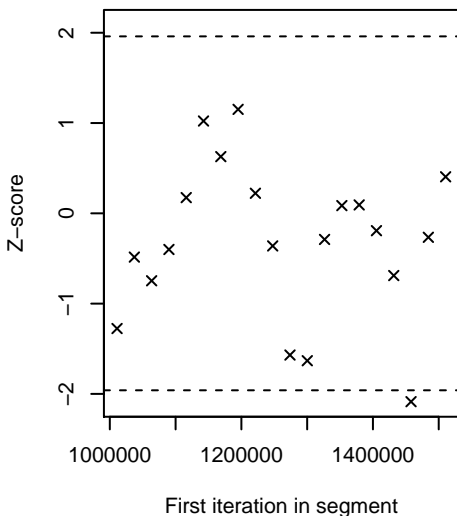
**N.ya[12,3] (chain2)**



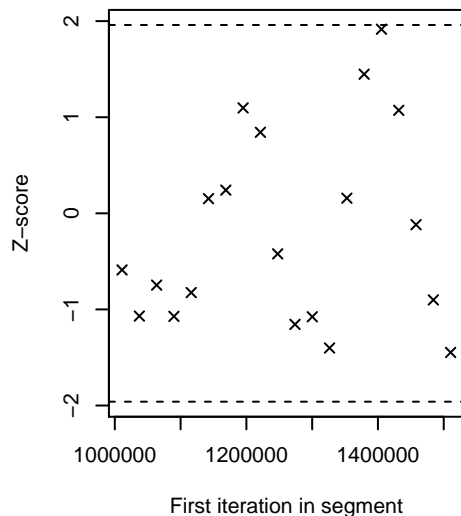
**N.ya[13,3] (chain2)**



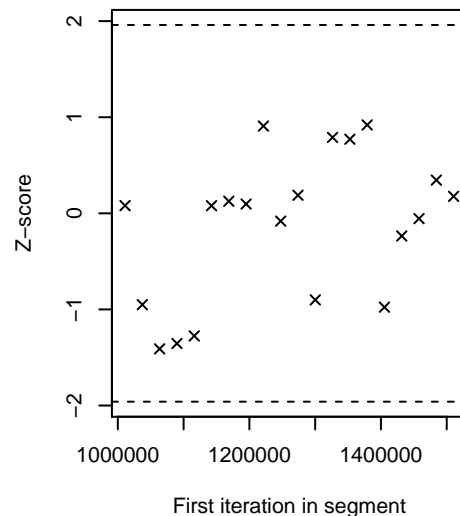
**N.ya[14,3] (chain2)**



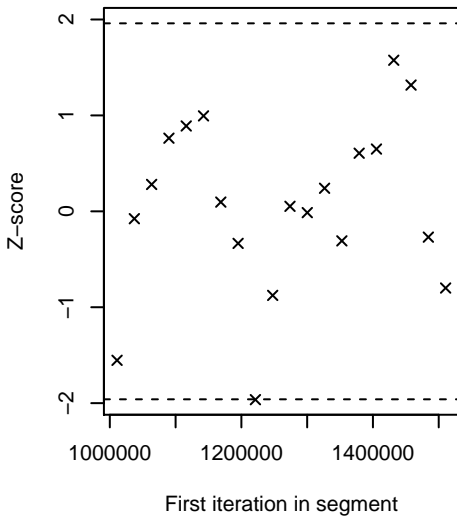
**N.ya[15,3] (chain2)**



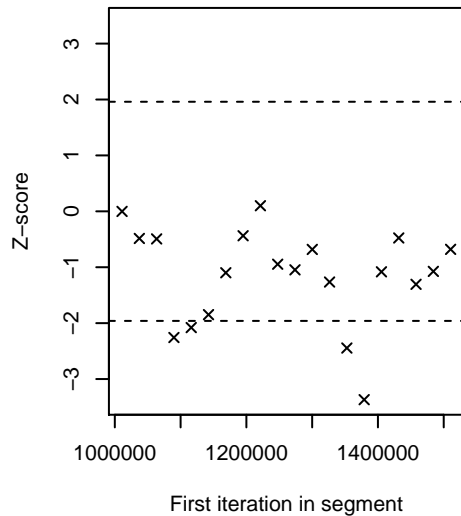
**N.ya[16,3] (chain2)**



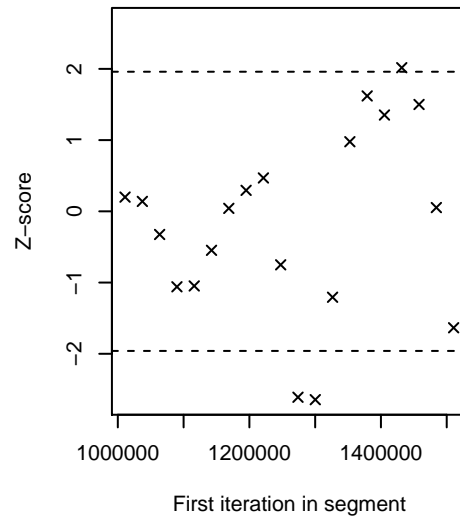
**N.ya[17,3] (chain2)**



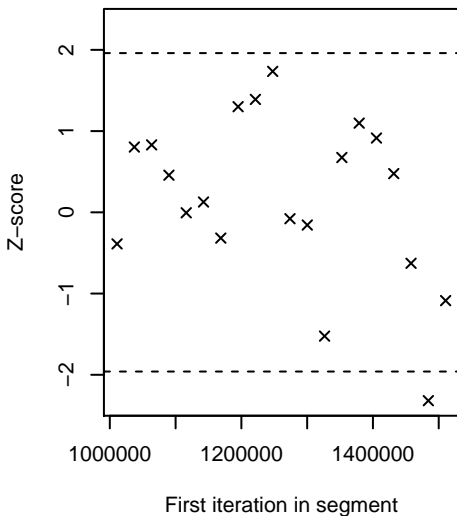
**N.ya[18,3] (chain2)**



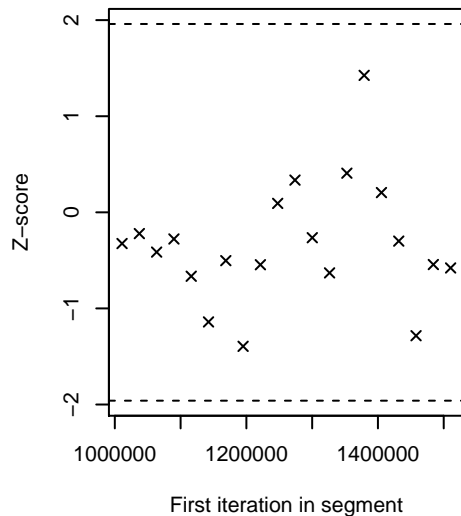
**N.ya[19,3] (chain2)**



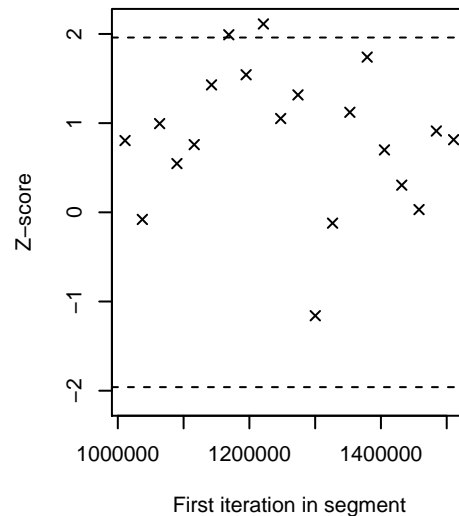
**N.ya[20,3] (chain2)**



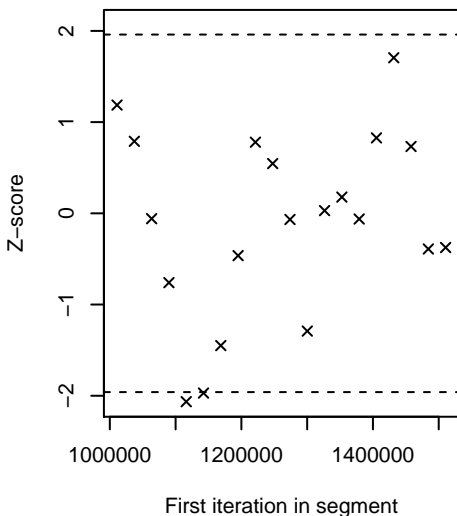
**N.ya[21,3] (chain2)**



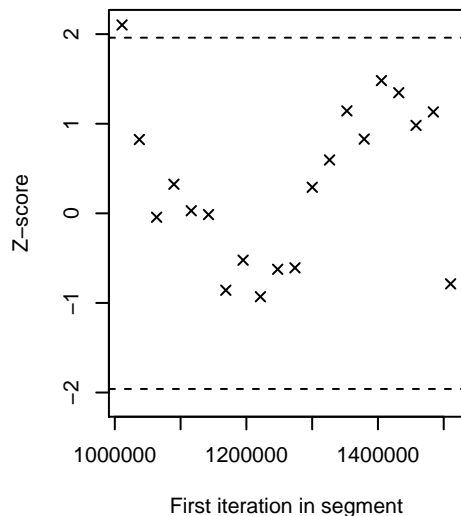
**N.ya[22,3] (chain2)**



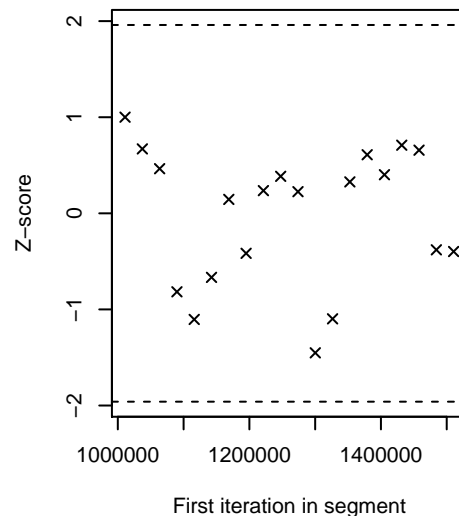
**N.ya[23,3] (chain2)**



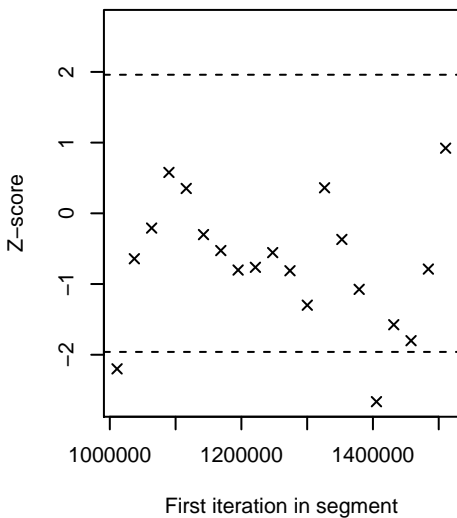
**N.ya[24,3] (chain2)**



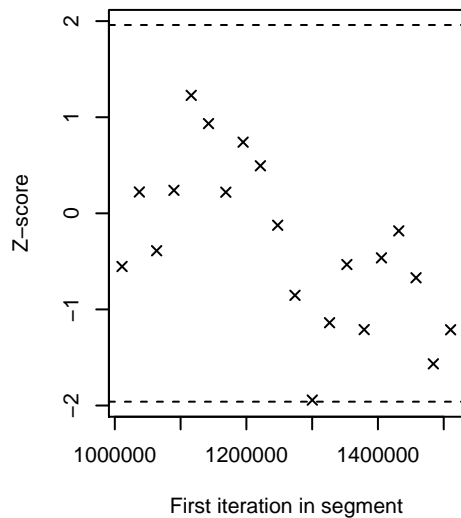
**N.ya[25,3] (chain2)**



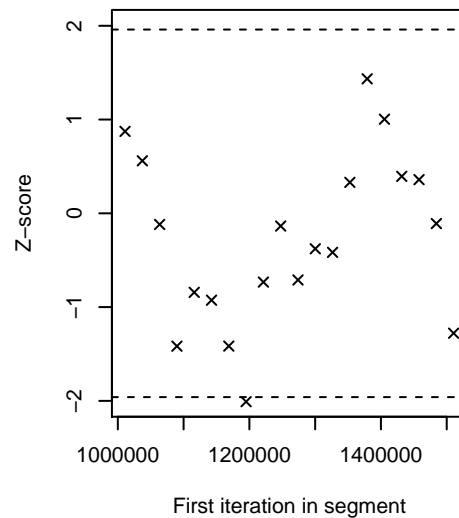
**N.ya[26,3] (chain2)**



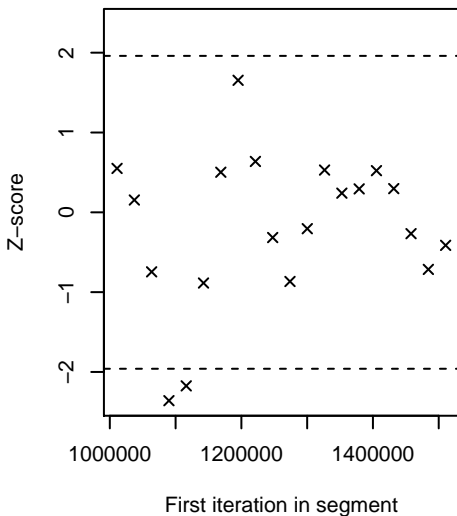
**N.ya[27,3] (chain2)**



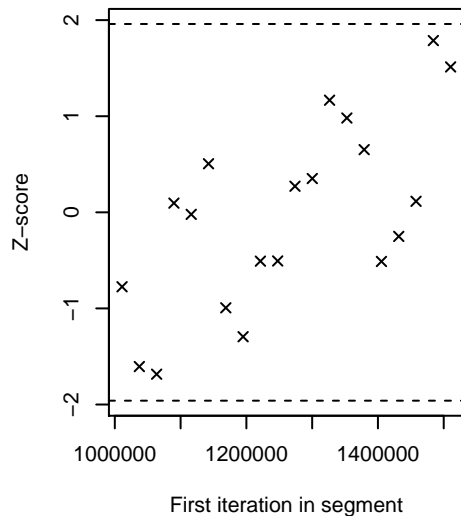
**N.ya[28,3] (chain2)**



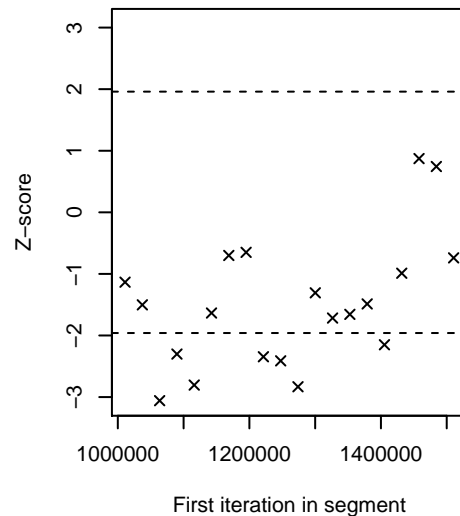
**N.ya[29,3] (chain2)**



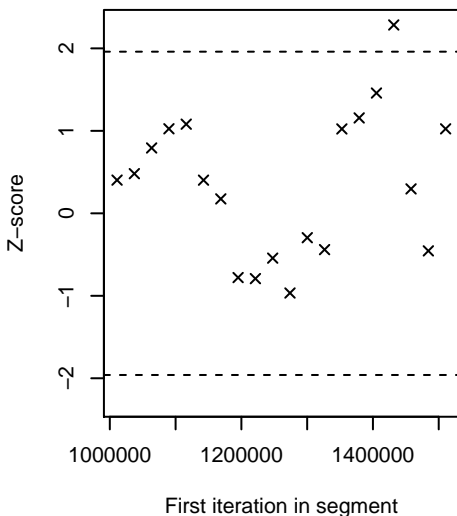
**N.ya[30,3] (chain2)**



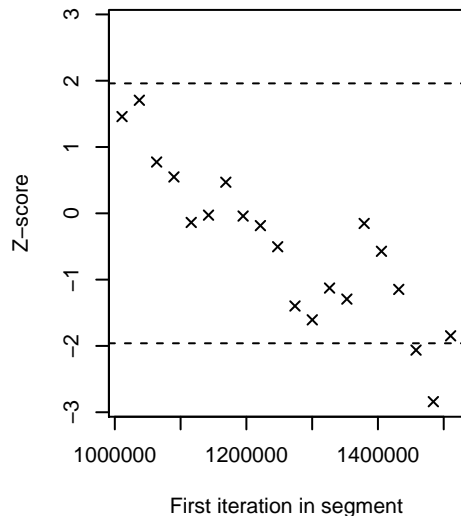
**N.ya[31,3] (chain2)**



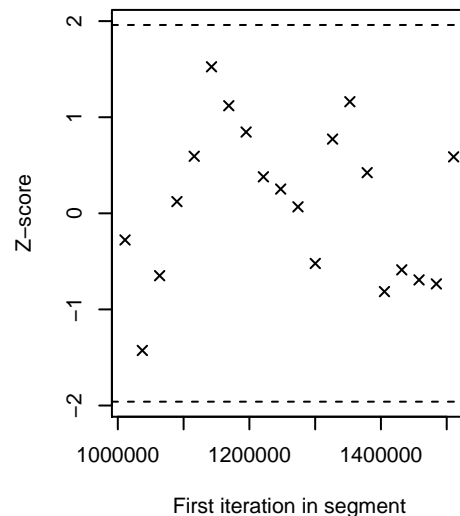
**N.ya[32,3] (chain2)**



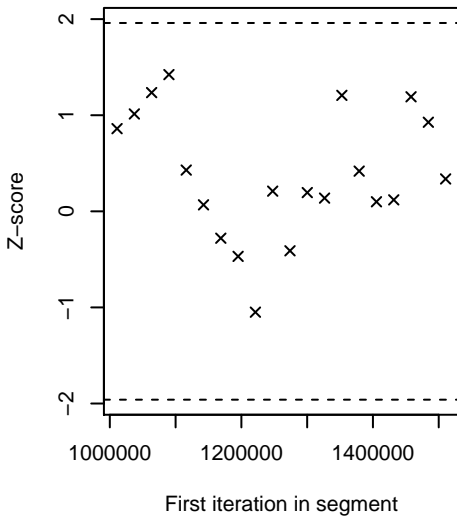
**N.ya[33,3] (chain2)**



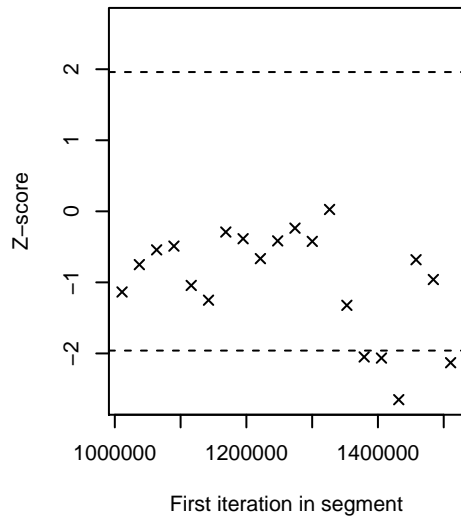
**N.ya[34,3] (chain2)**



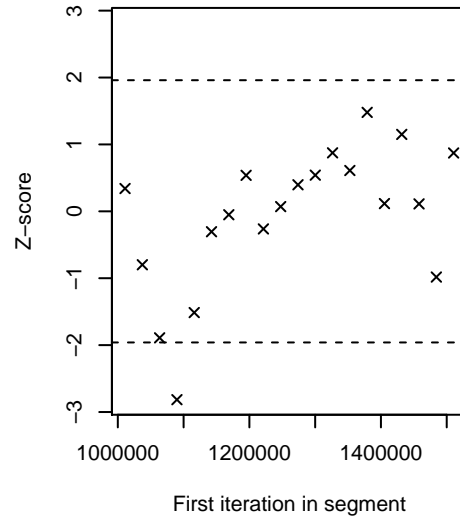
**N.ya[35,3] (chain2)**

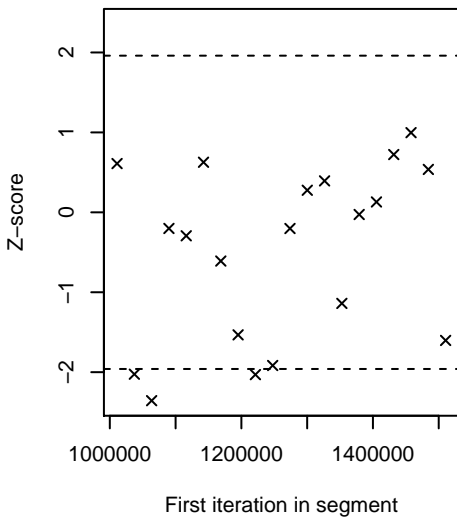
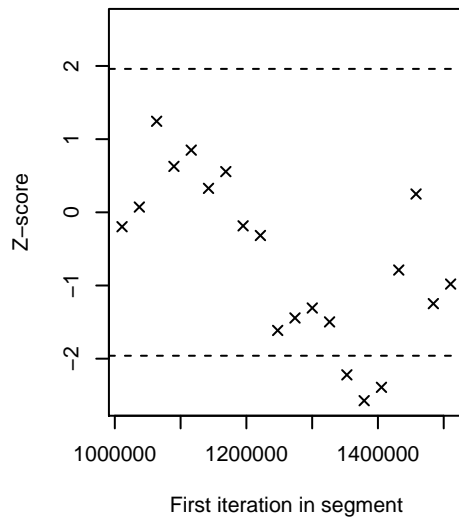
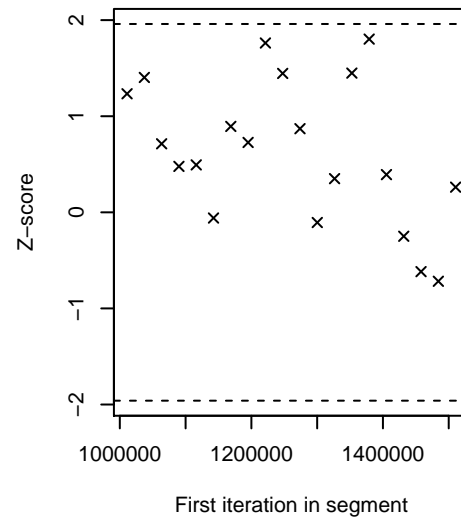
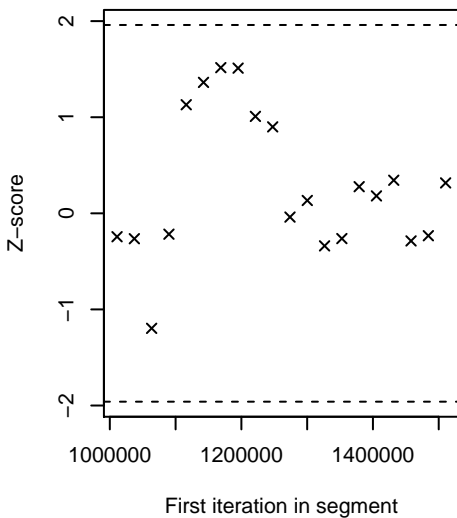
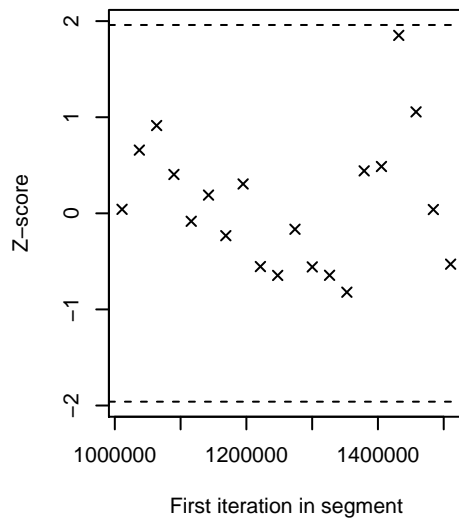
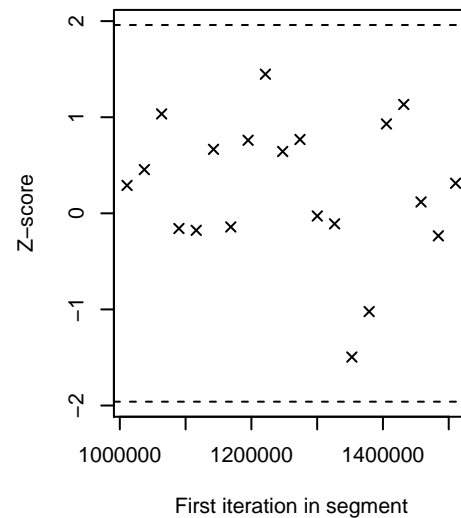
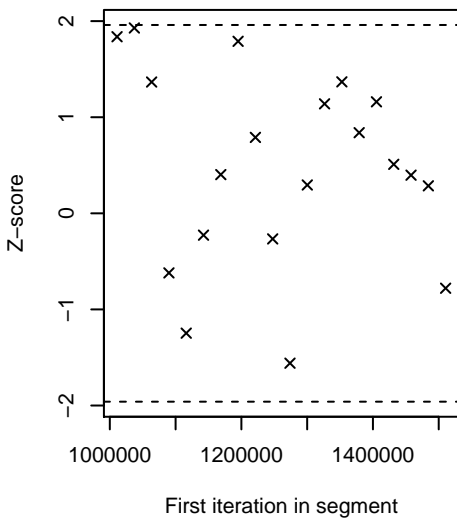
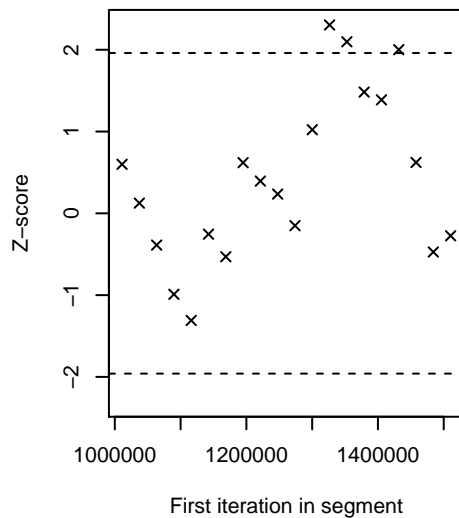
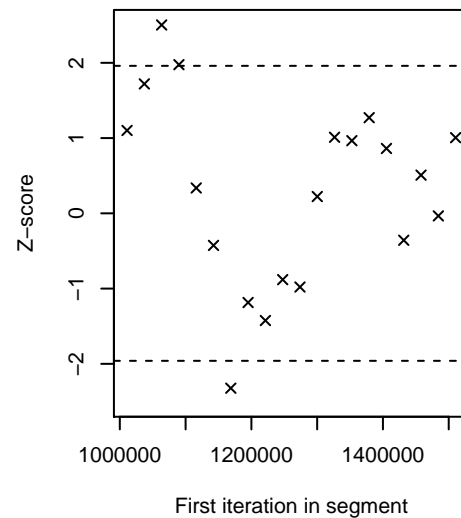


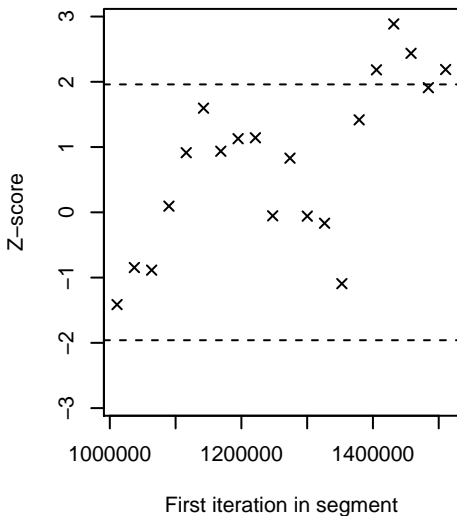
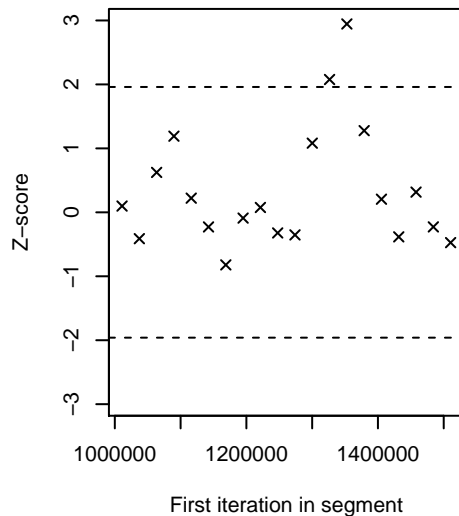
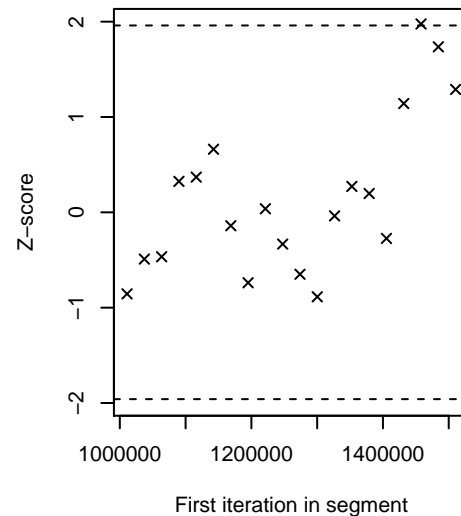
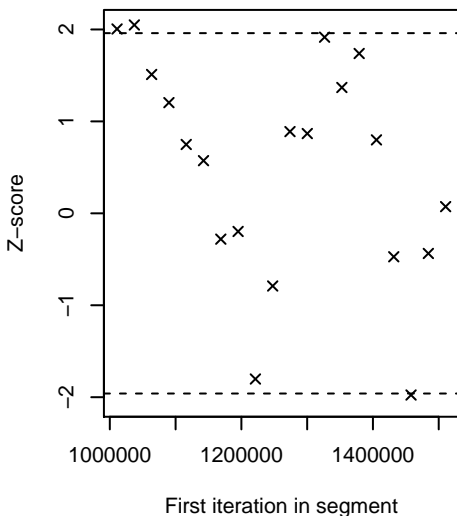
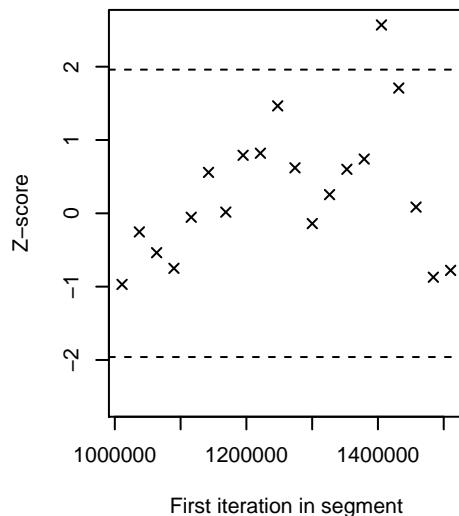
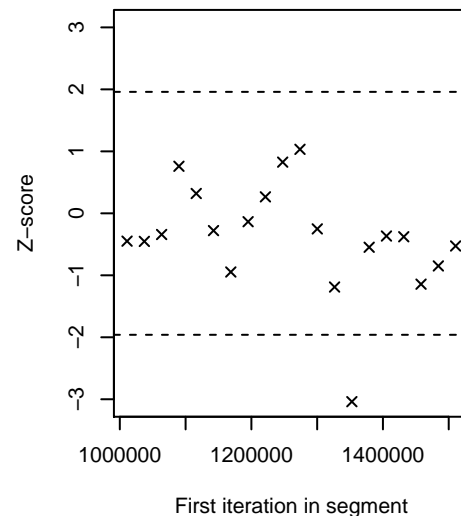
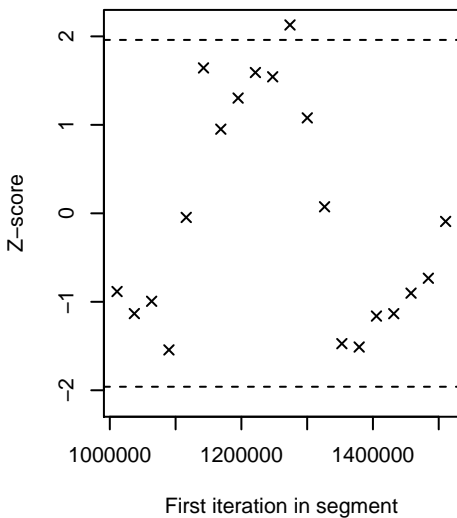
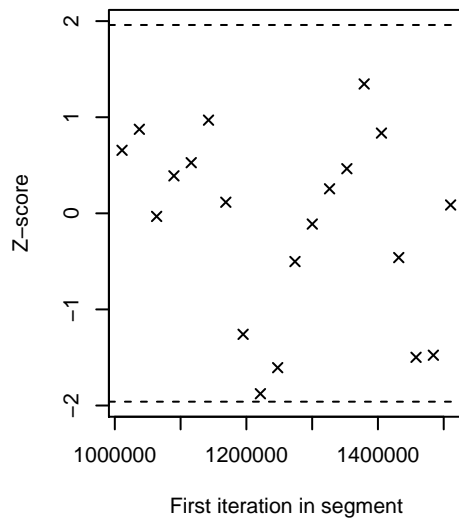
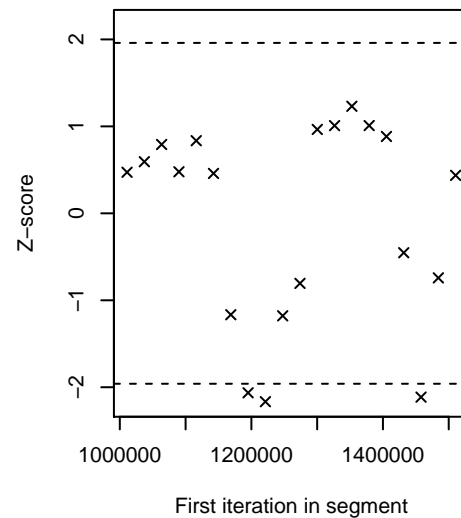
**N.ya[36,3] (chain2)**

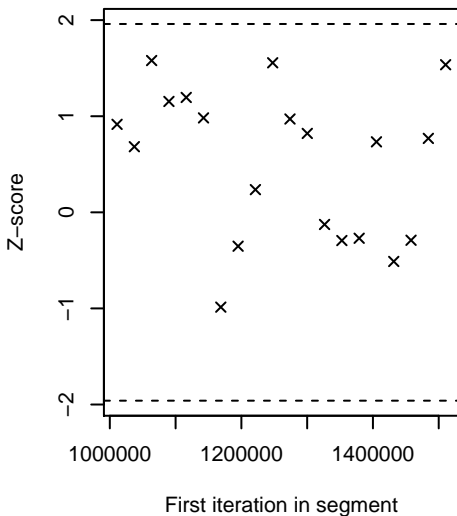
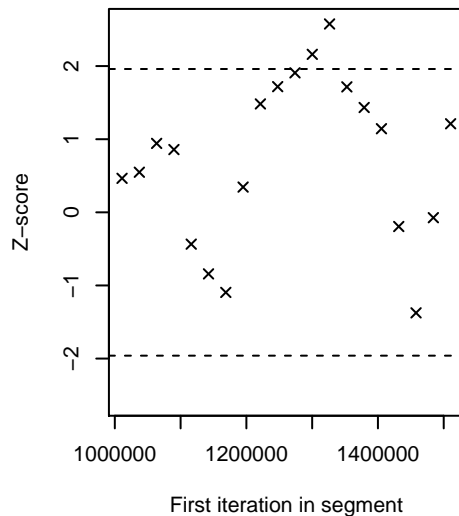
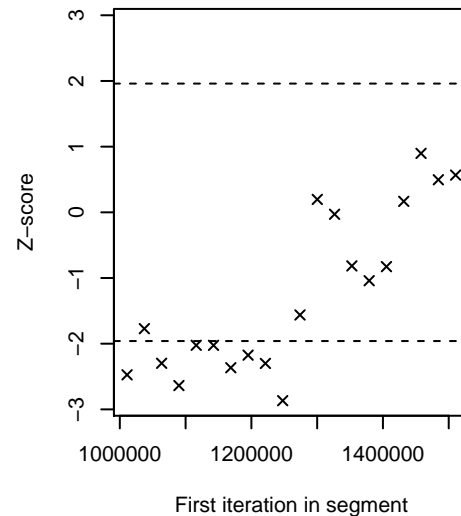
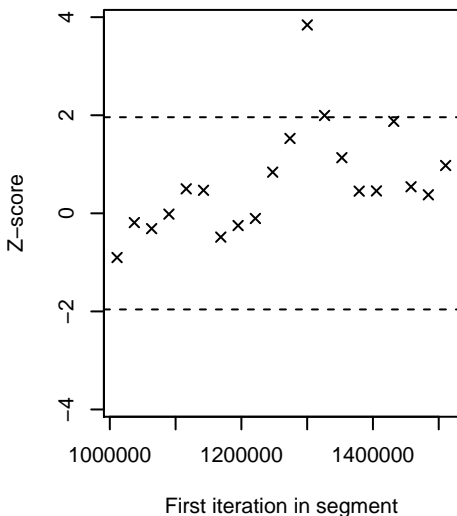
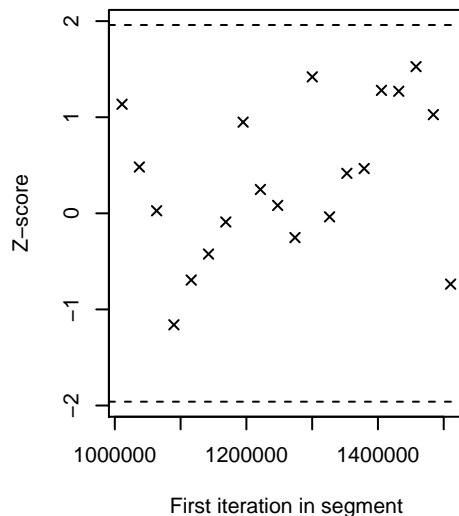
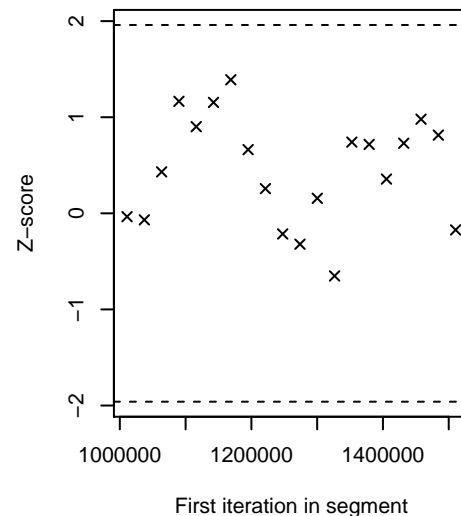
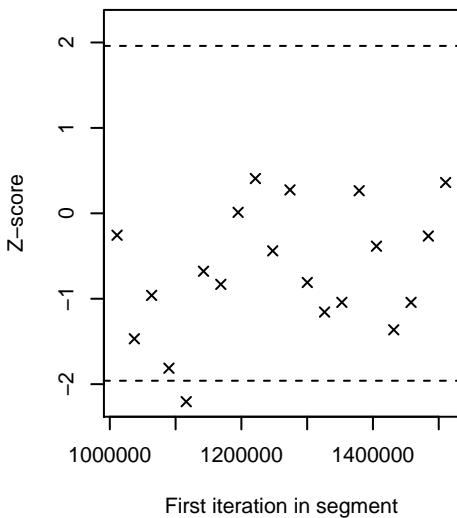
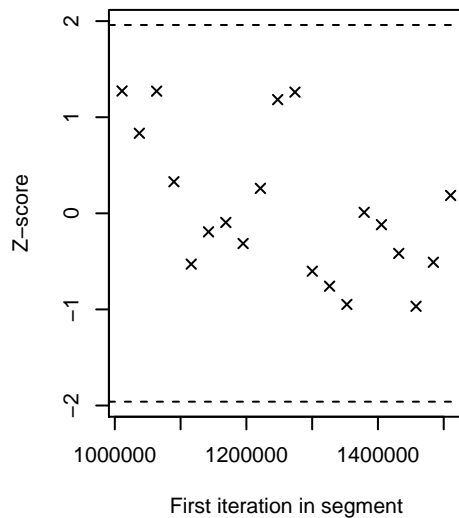
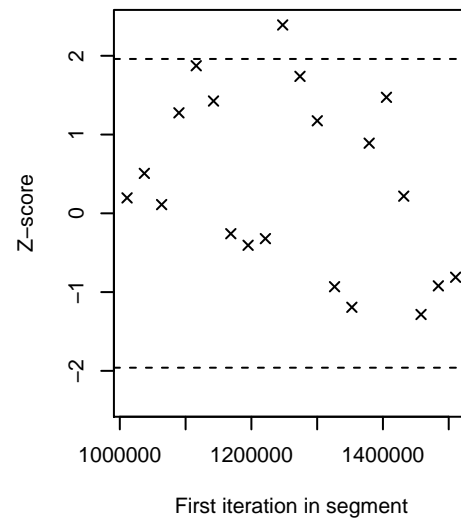


**N.ya[37,3] (chain2)**

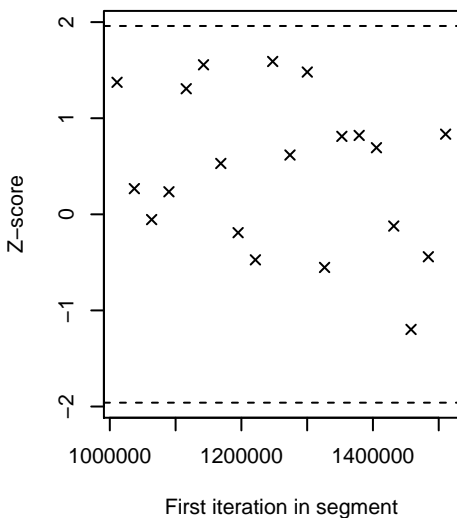
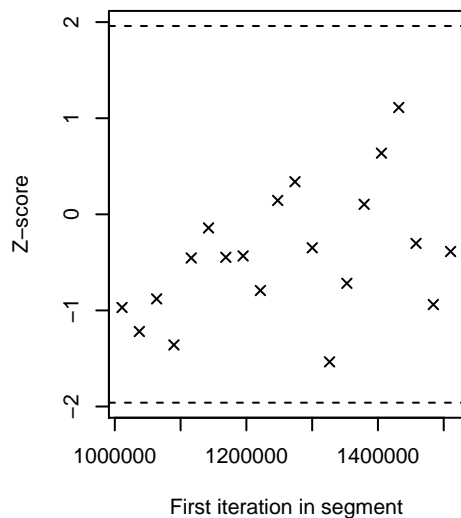
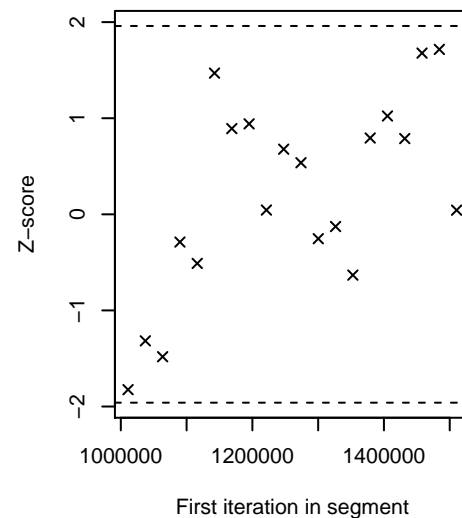
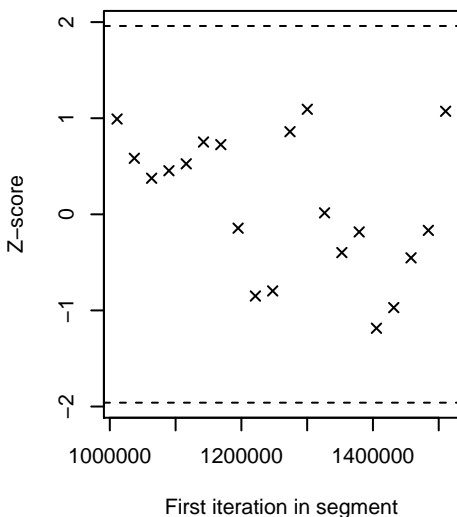
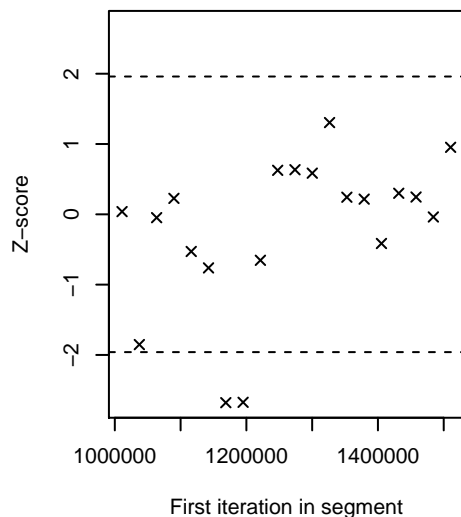
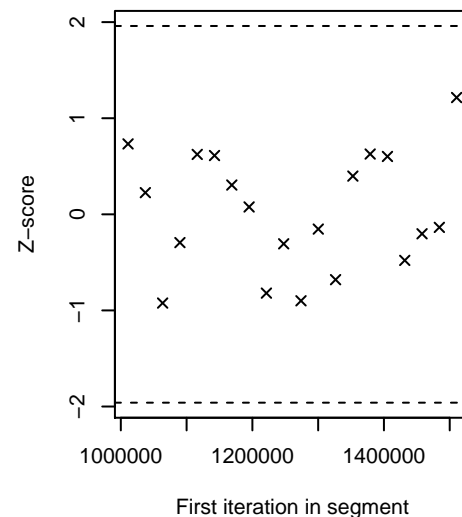
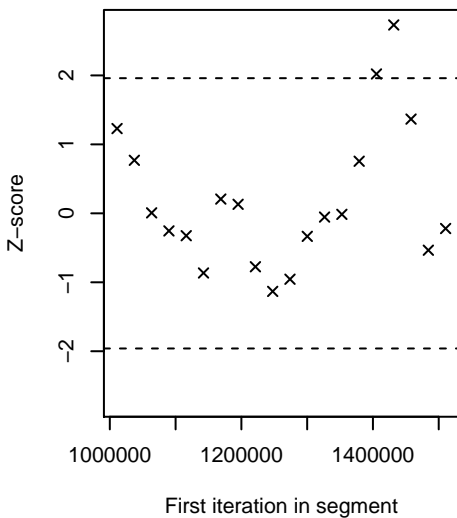
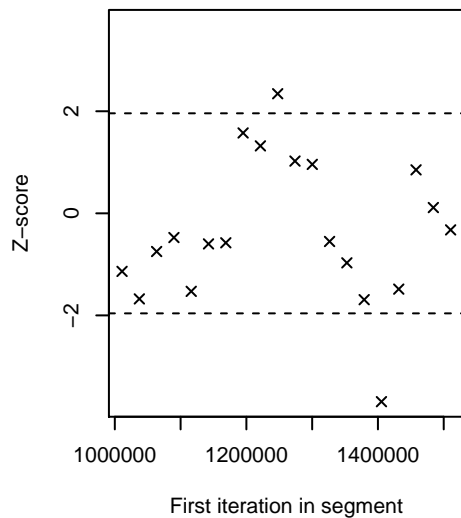
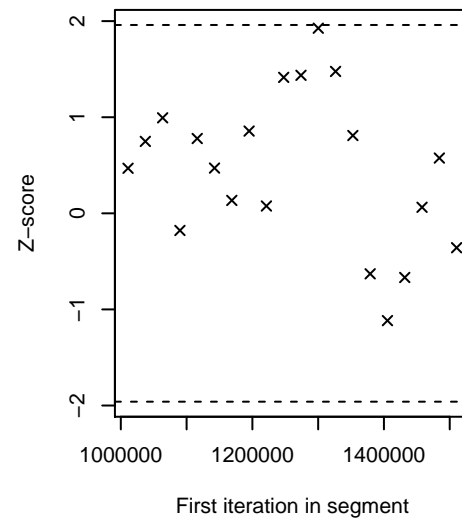


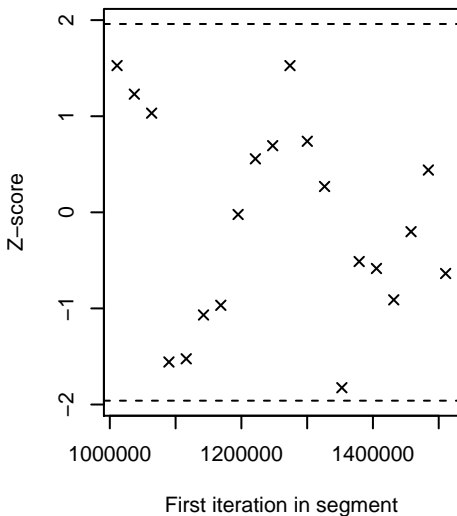
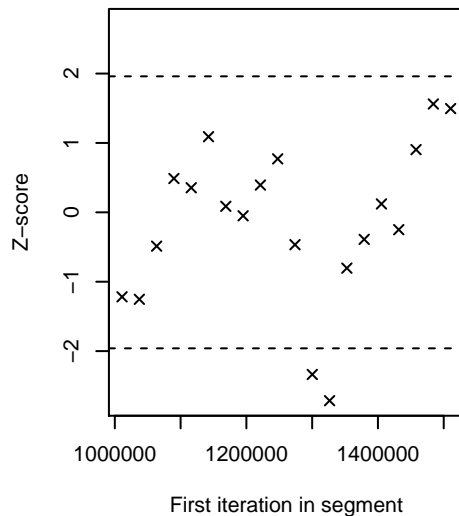
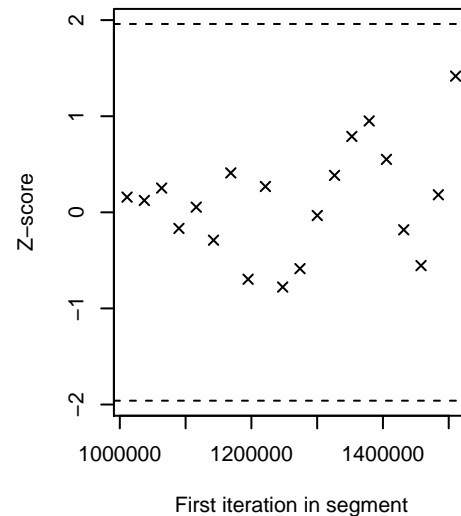
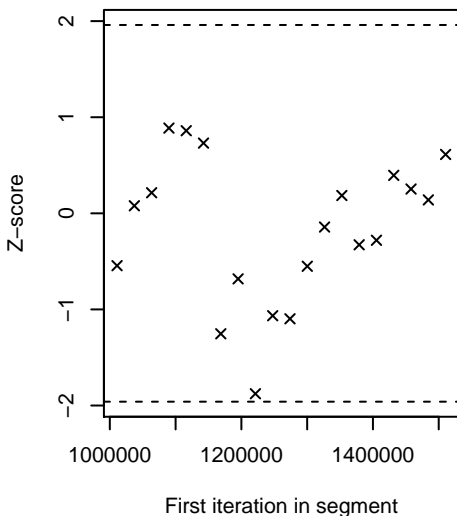
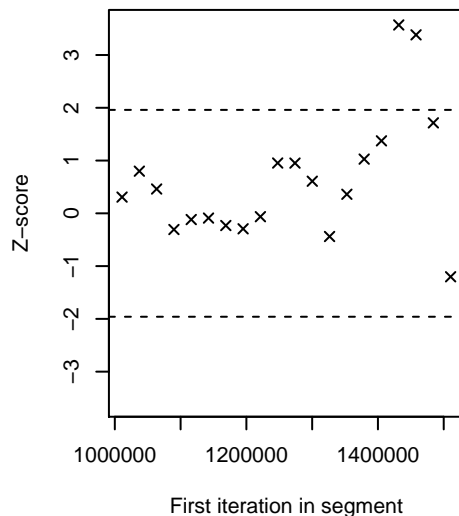
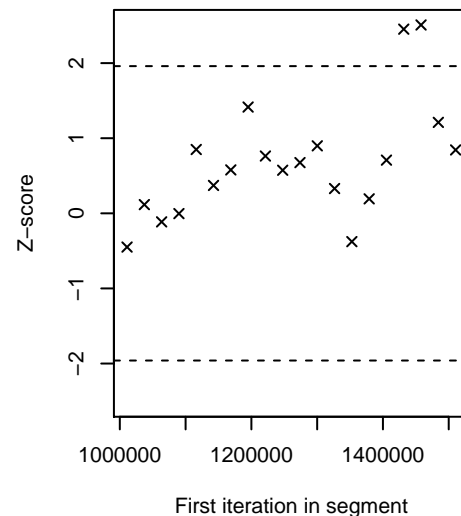
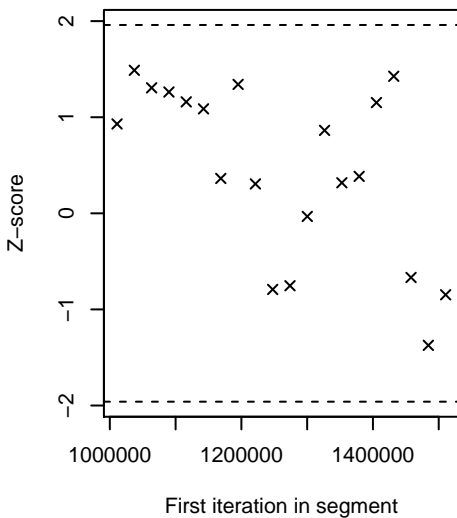
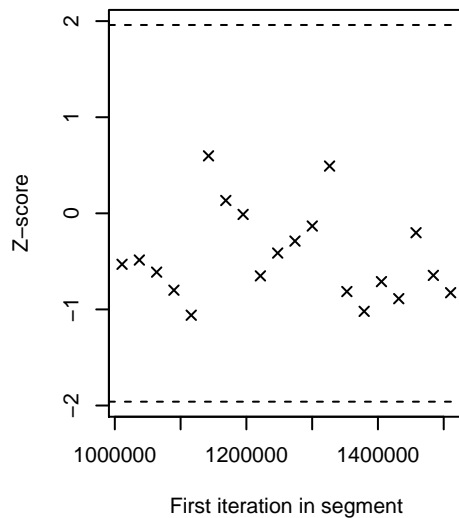
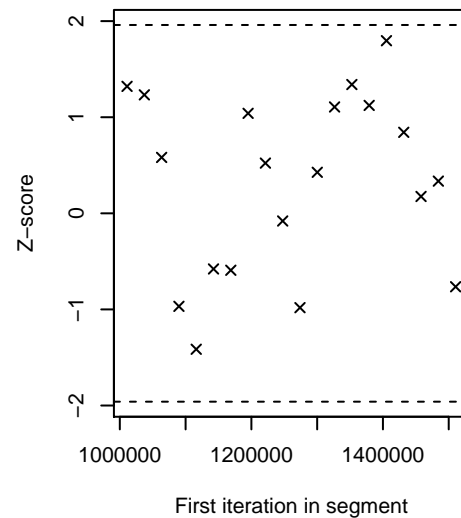
**R[1] (chain2)****R[2] (chain2)****R[3] (chain2)****R[4] (chain2)****R[5] (chain2)****R[6] (chain2)****R[7] (chain2)****R[8] (chain2)****R[9] (chain2)**

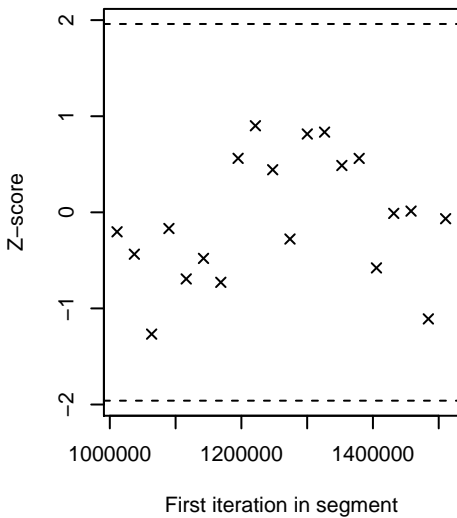
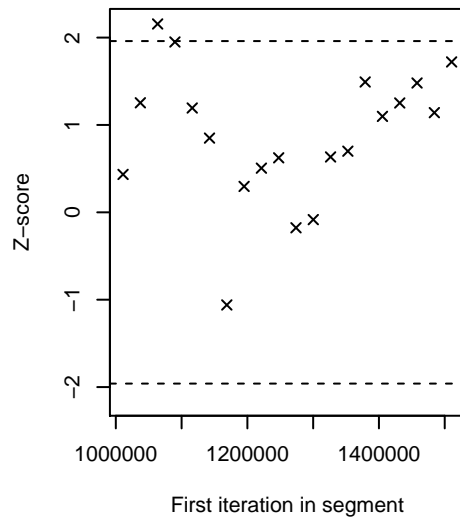
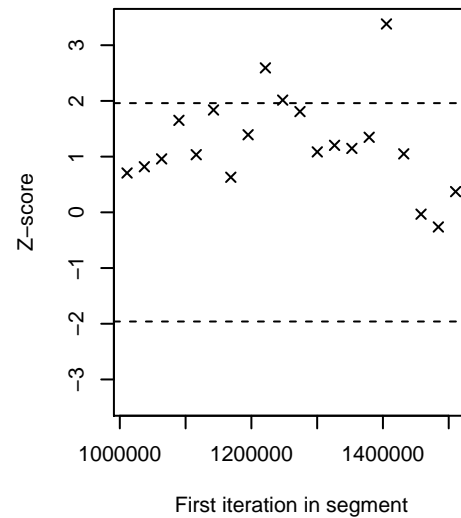
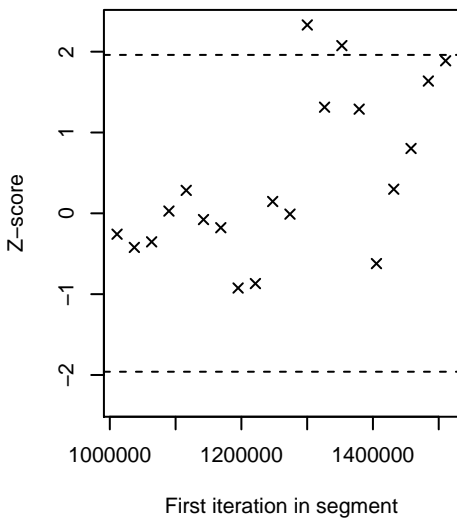
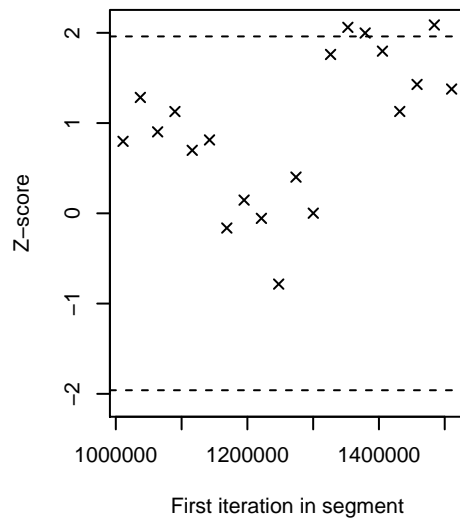
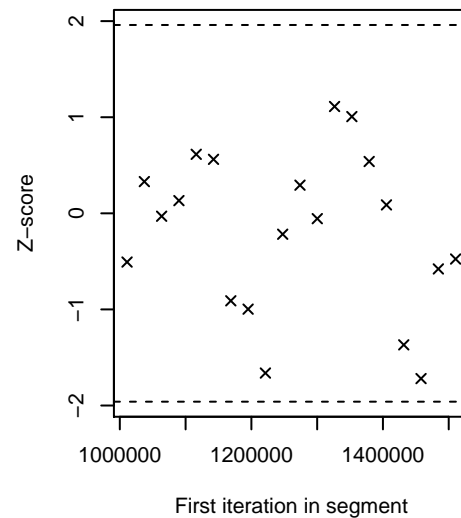
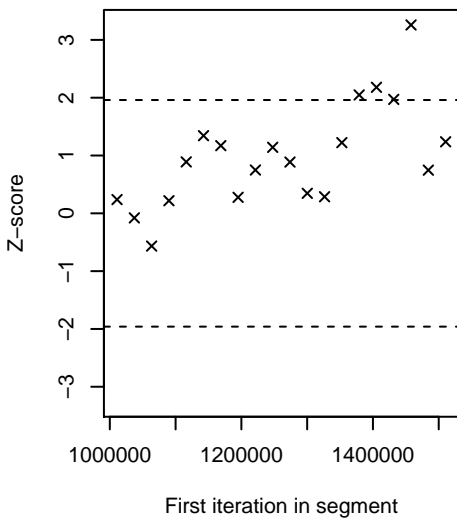
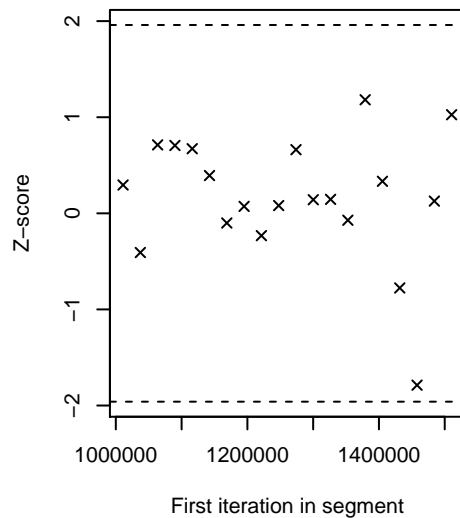
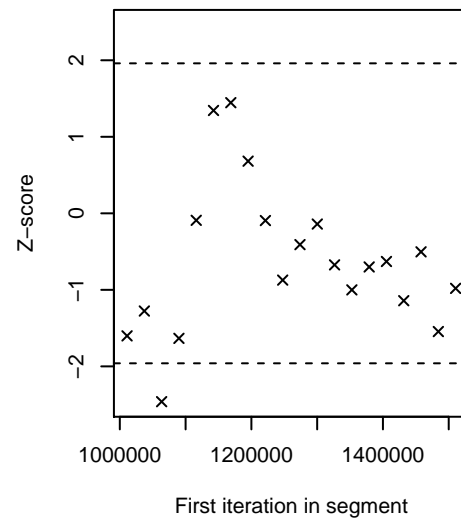
**R[10] (chain2)****R[11] (chain2)****R[12] (chain2)****R[13] (chain2)****R[14] (chain2)****R[15] (chain2)****R[16] (chain2)****R[17] (chain2)****R[18] (chain2)**

**R[19] (chain2)****R[20] (chain2)****R[21] (chain2)****R[22] (chain2)****R[23] (chain2)****R[24] (chain2)****R[25] (chain2)****R[26] (chain2)****R[27] (chain2)**

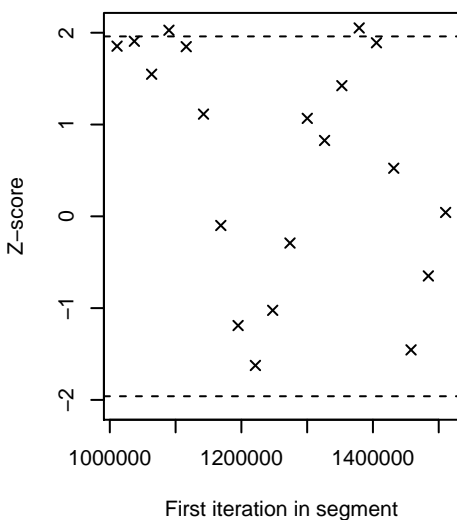


**R[28] (chain2)****R[29] (chain2)****R[30] (chain2)****R[31] (chain2)****R[32] (chain2)****R[33] (chain2)****R[34] (chain2)****R[35] (chain2)****R[36] (chain2)**

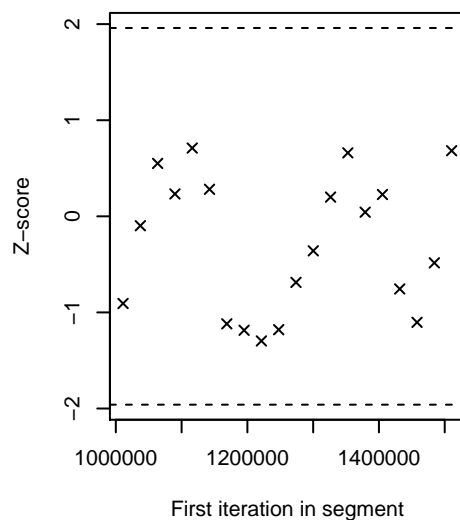
**R[37] (chain2)****R[38] (chain2)****R[39] (chain2)****S[1] (chain2)****S[2] (chain2)****S[3] (chain2)****S[4] (chain2)****S[5] (chain2)****S[6] (chain2)**

**S[7] (chain2)****S[8] (chain2)****S[9] (chain2)****S[10] (chain2)****S[11] (chain2)****S[12] (chain2)****S[13] (chain2)****S[14] (chain2)****S[15] (chain2)**

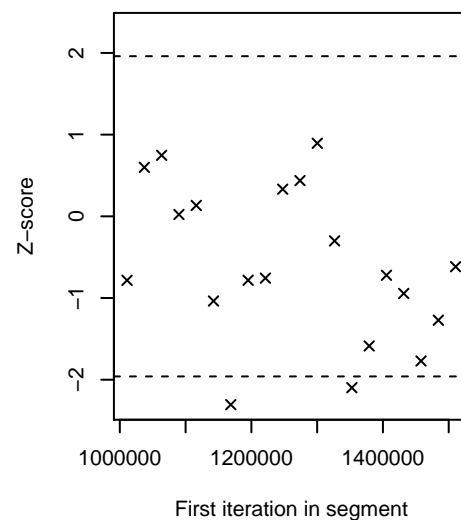
**S[16] (chain2)**



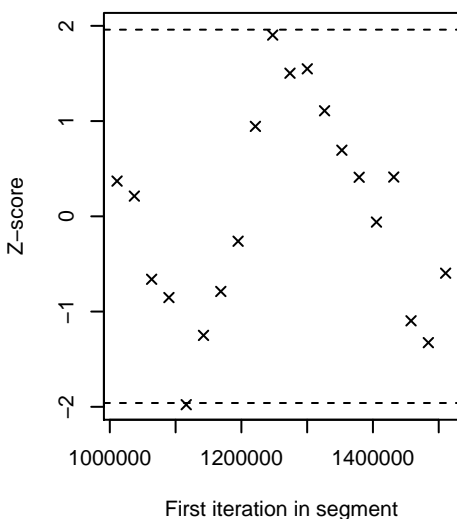
**S[17] (chain2)**



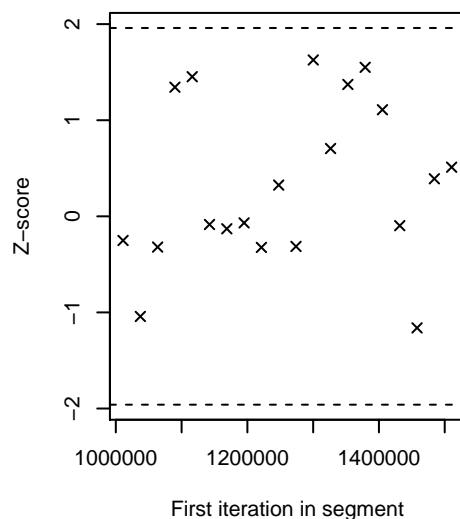
**S[18] (chain2)**



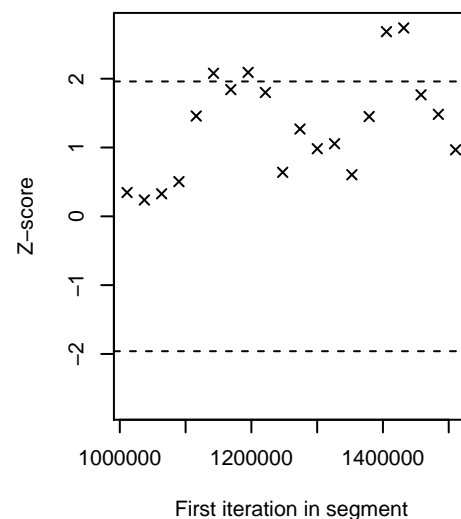
**S[19] (chain2)**



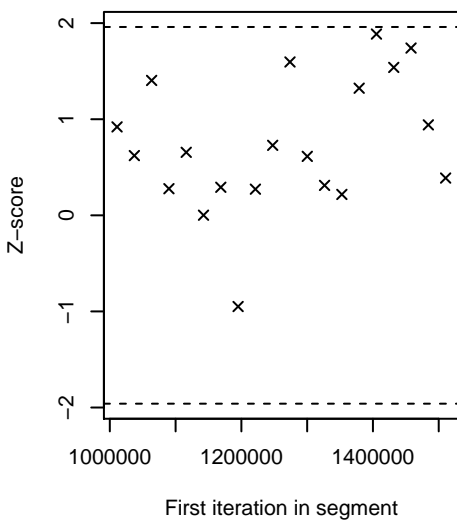
**S[20] (chain2)**



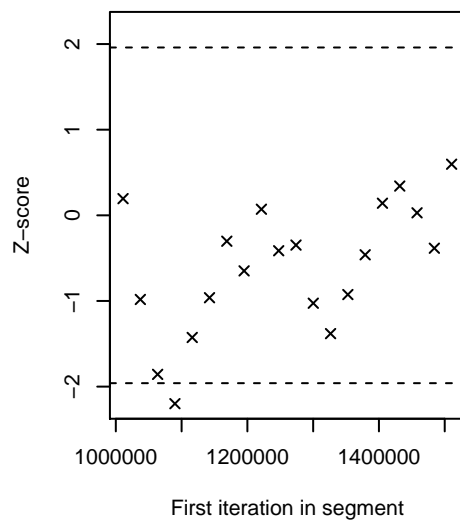
**S[21] (chain2)**



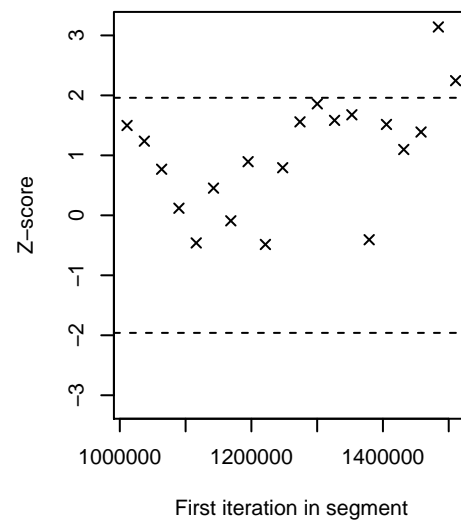
**S[22] (chain2)**

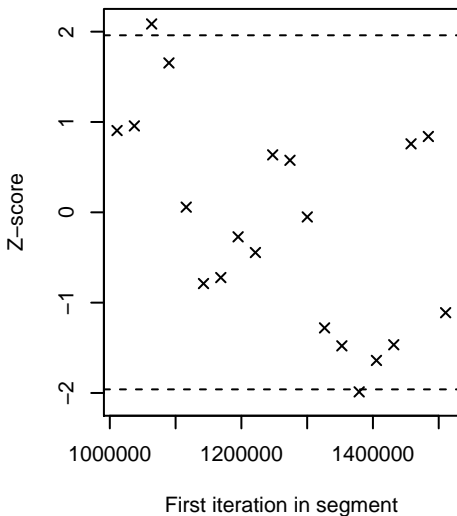
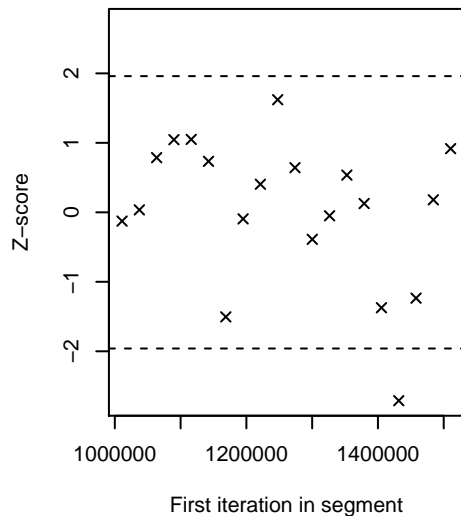
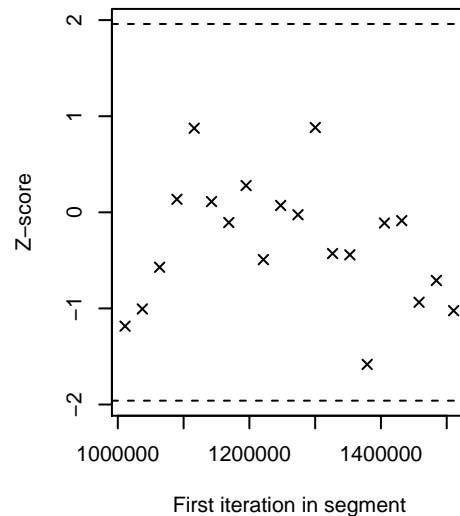
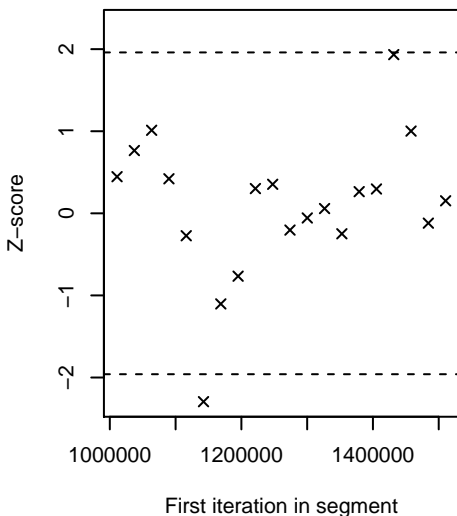
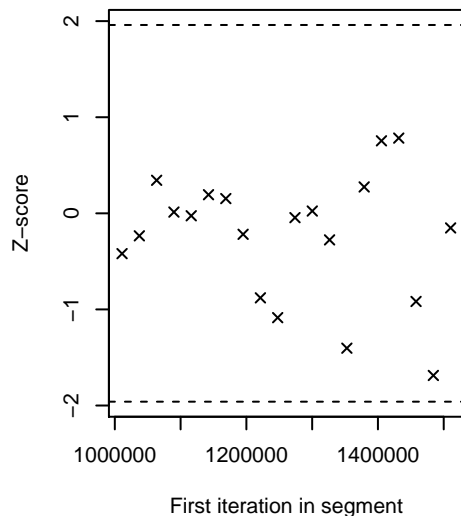
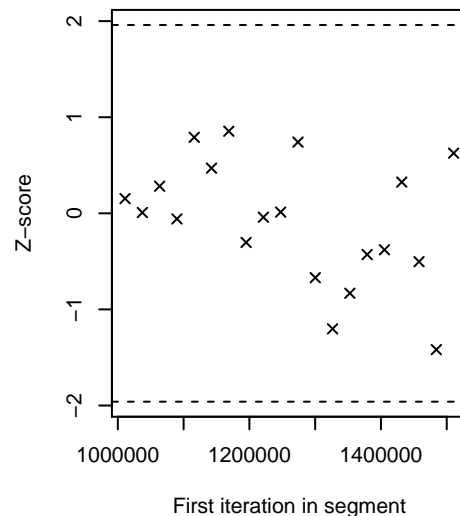
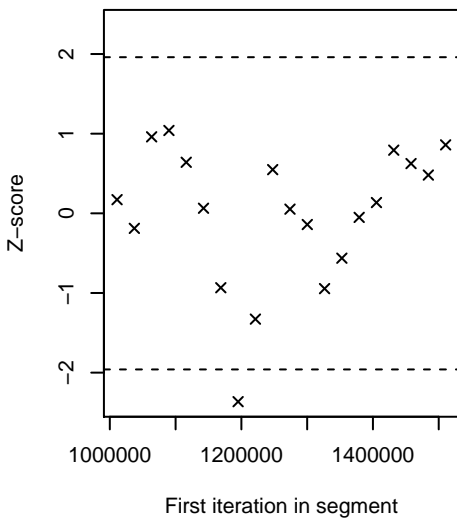
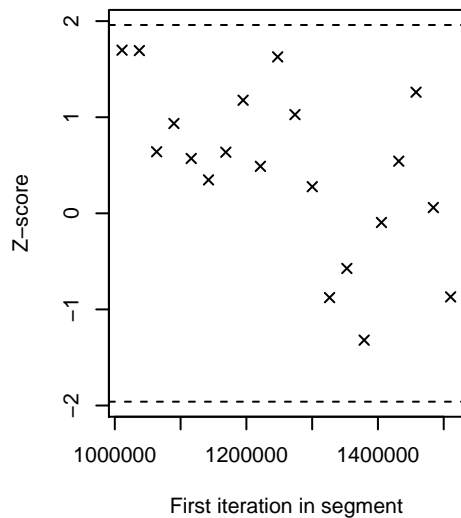
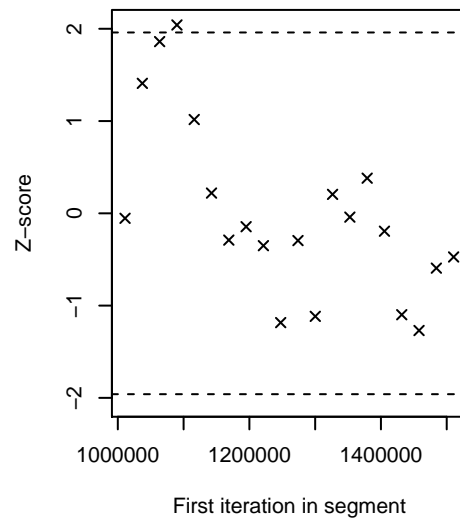


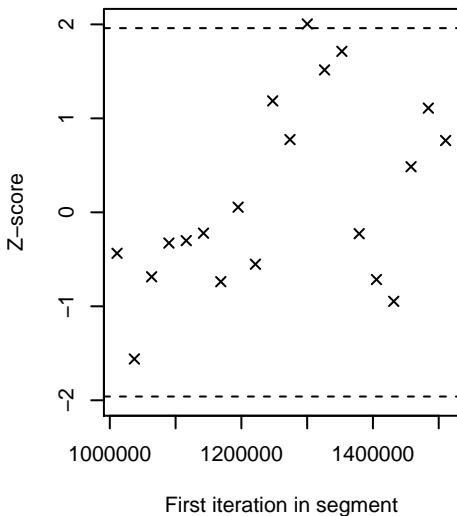
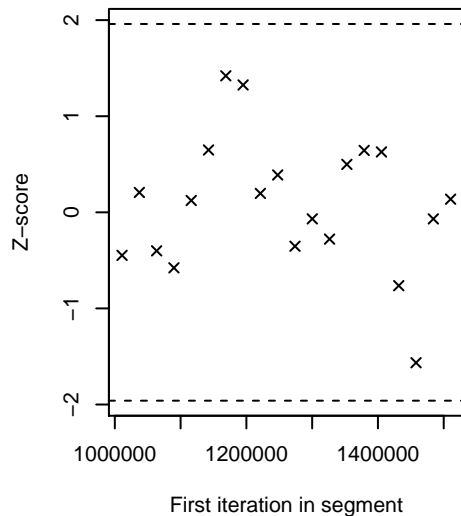
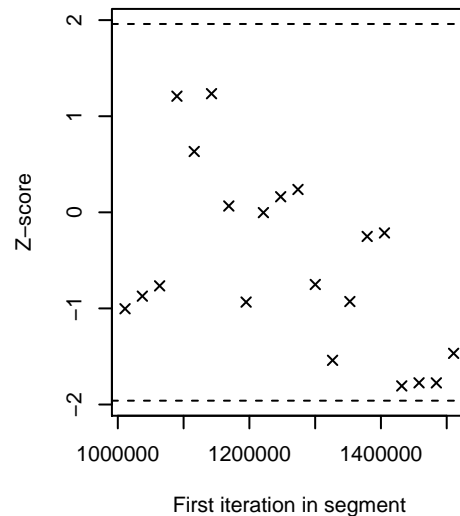
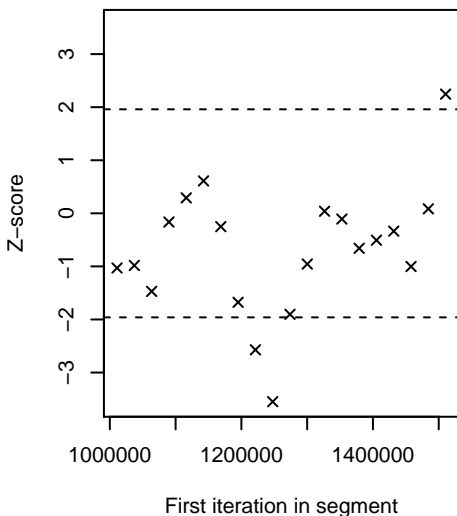
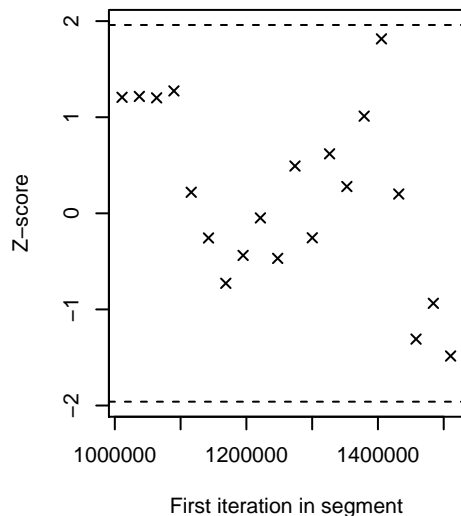
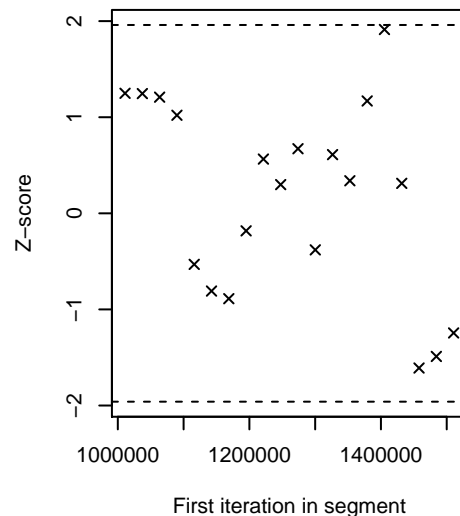
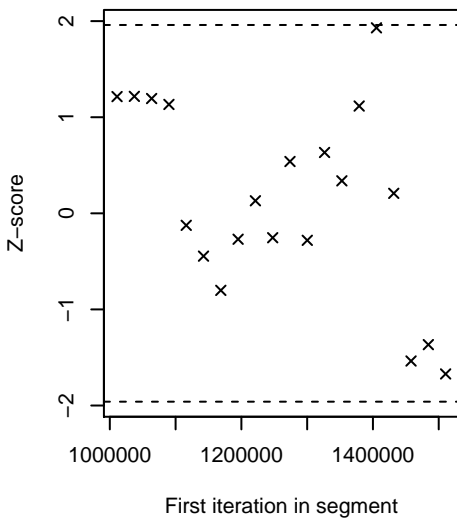
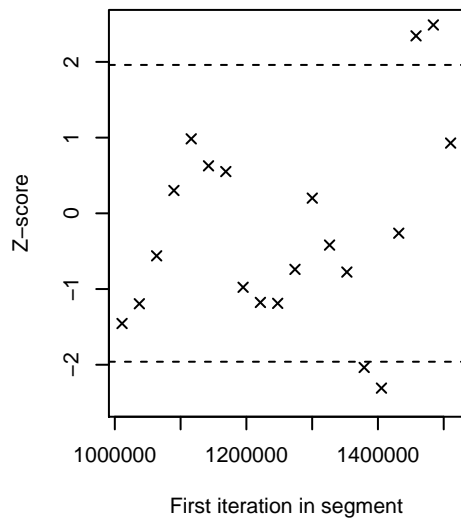
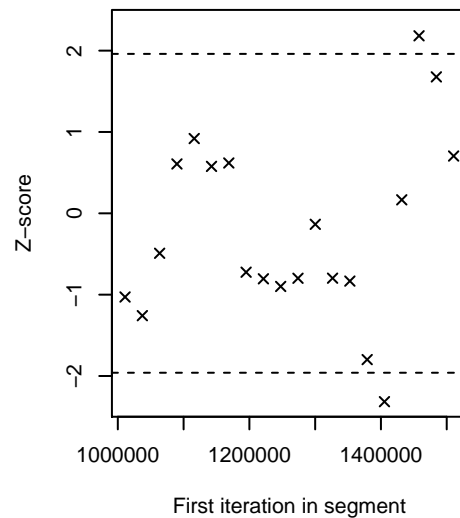
**S[23] (chain2)**



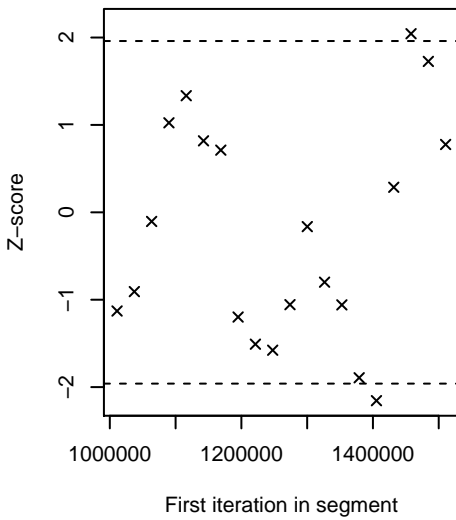
**S[24] (chain2)**



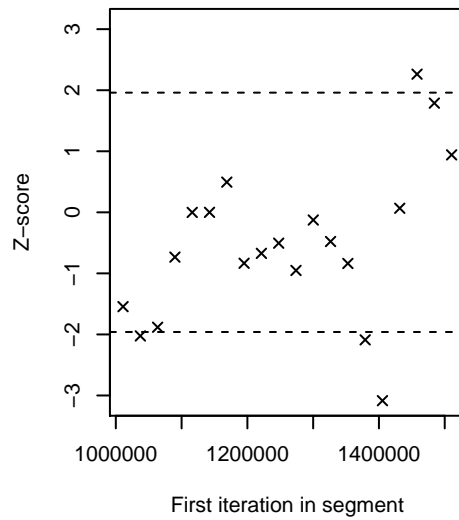
**S[25] (chain2)****S[26] (chain2)****S[27] (chain2)****S[28] (chain2)****S[29] (chain2)****S[30] (chain2)****S[31] (chain2)****S[32] (chain2)****S[33] (chain2)**

**S[34] (chain2)****S[35] (chain2)****S[36] (chain2)****S[37] (chain2)****S.eq.c (chain2)****S.max (chain2)****S.msy.c (chain2)****U.msy.c (chain2)****alpha (chain2)**

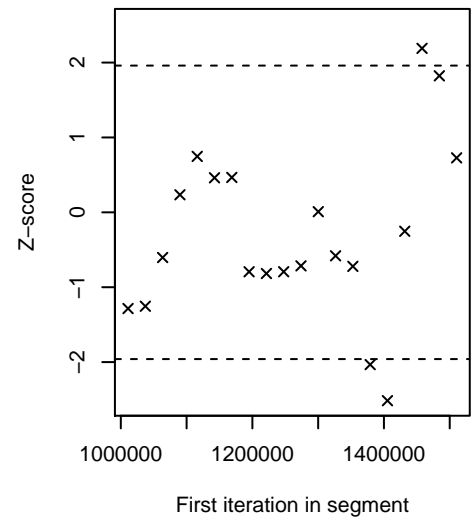
**alpha.c (chain2)**



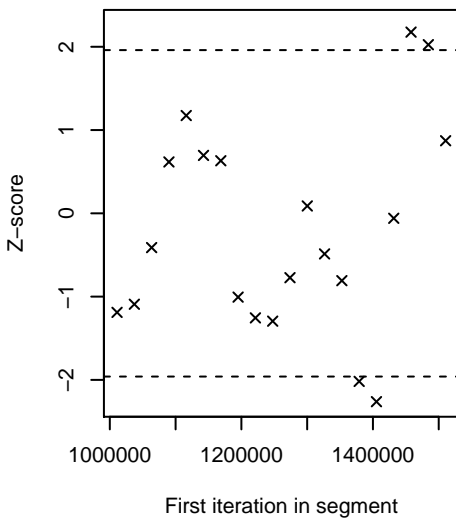
**beta (chain2)**



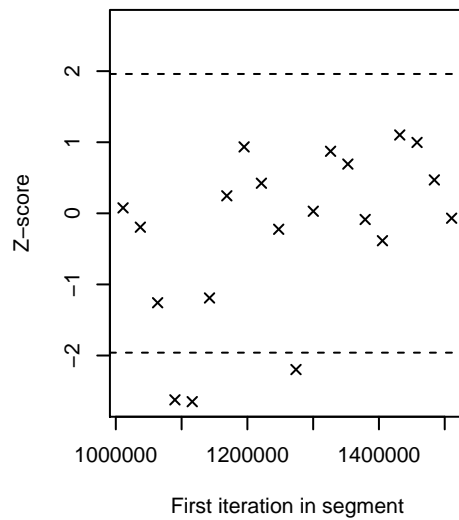
**lnalpha (chain2)**



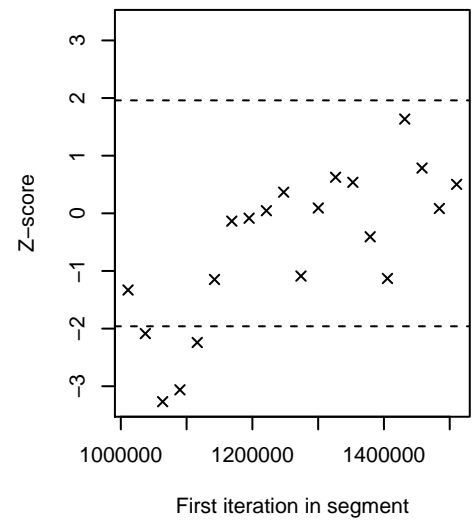
**lnalpha.c (chain2)**



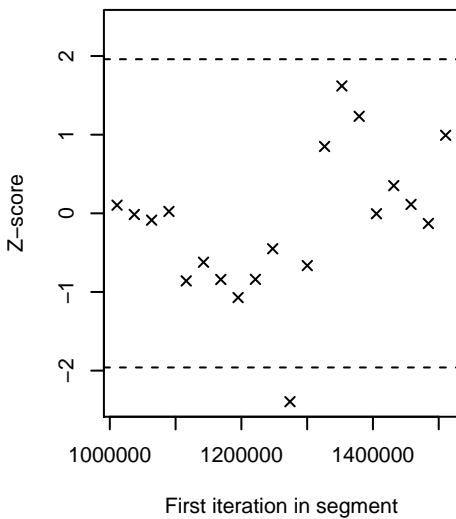
**log.resid[7] (chain2)**



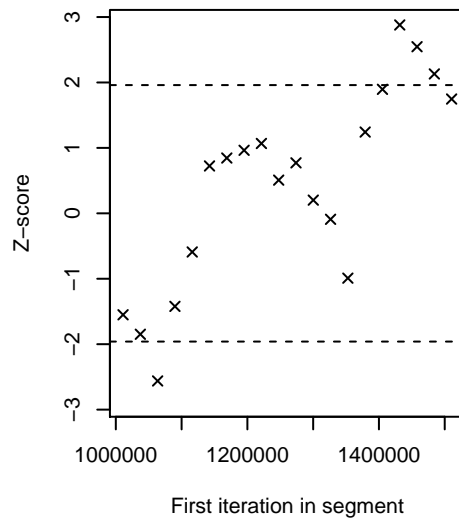
**log.resid[8] (chain2)**



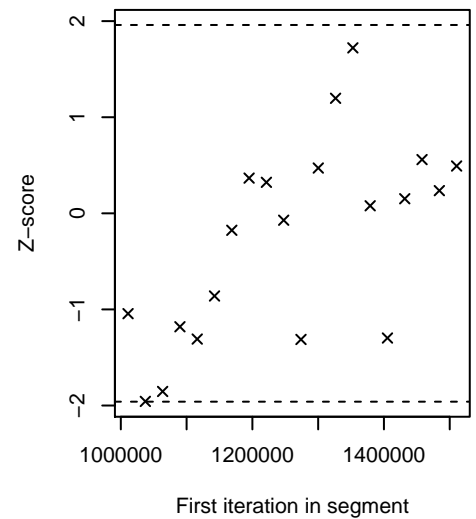
**log.resid[9] (chain2)**



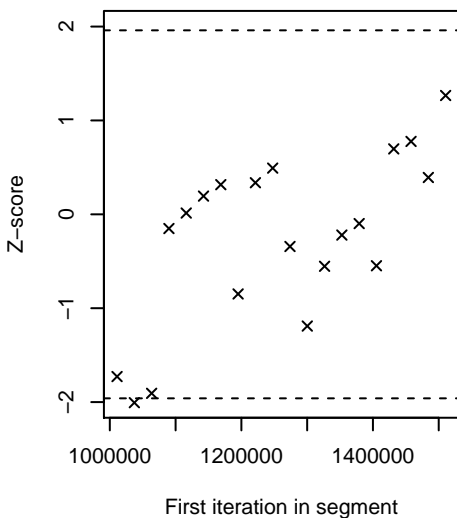
**log.resid[10] (chain2)**



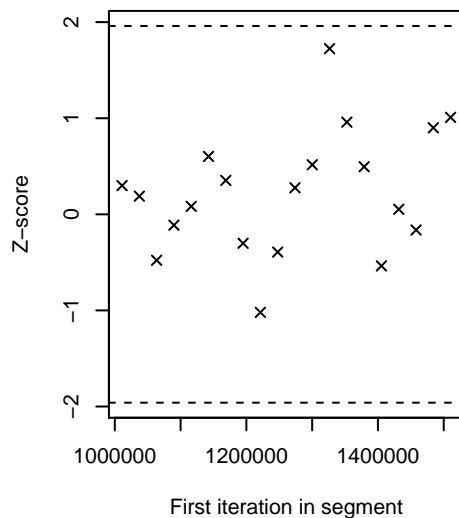
**log.resid[11] (chain2)**



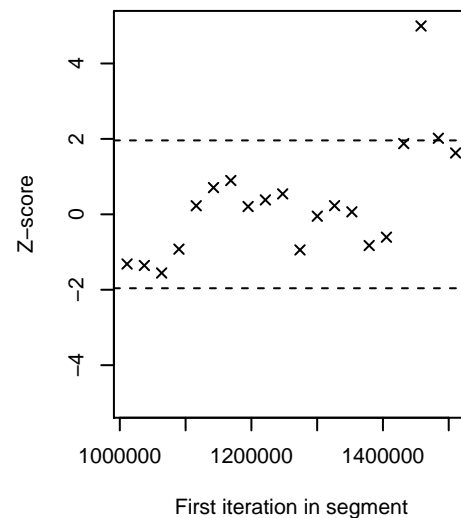
**log.resid[12] (chain2)**



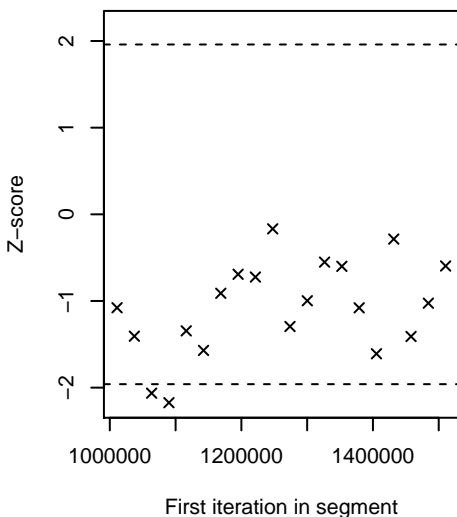
**log.resid[13] (chain2)**



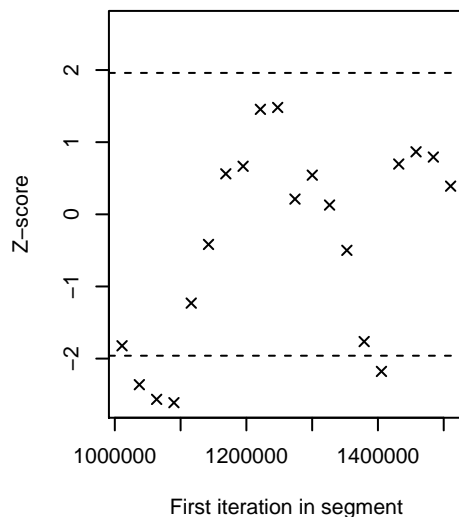
**log.resid[14] (chain2)**



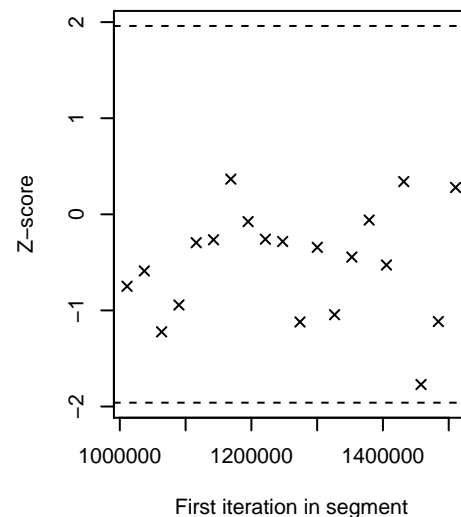
**log.resid[15] (chain2)**



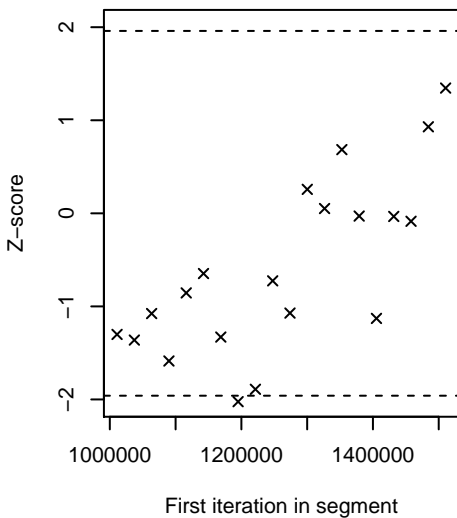
**log.resid[16] (chain2)**



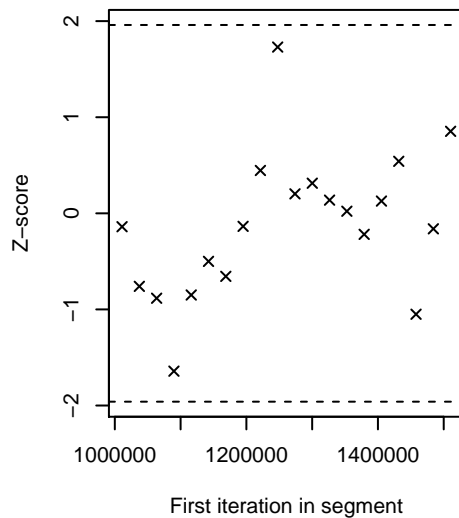
**log.resid[17] (chain2)**



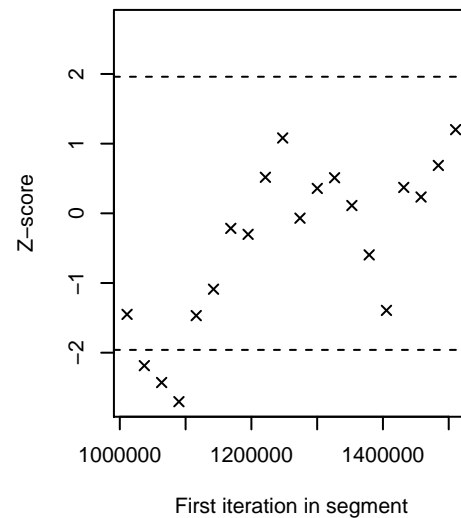
**log.resid[18] (chain2)**



**log.resid[19] (chain2)**

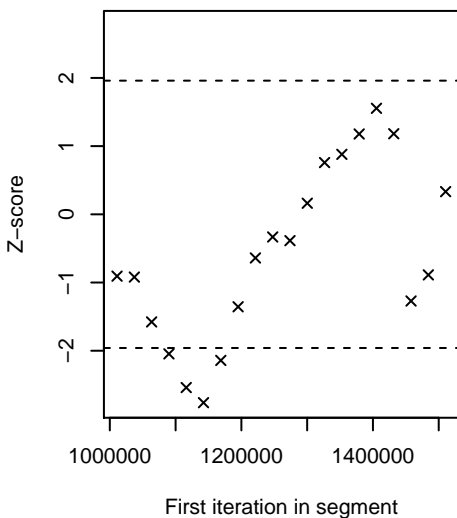


**log.resid[20] (chain2)**

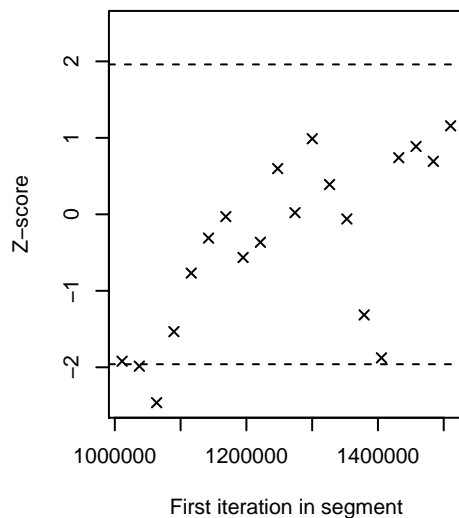




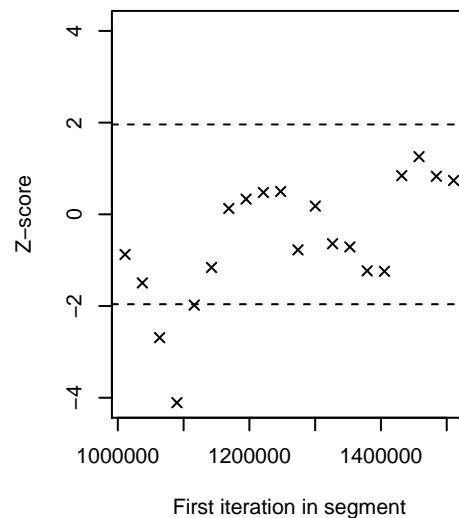
**log.resid[21] (chain2)**



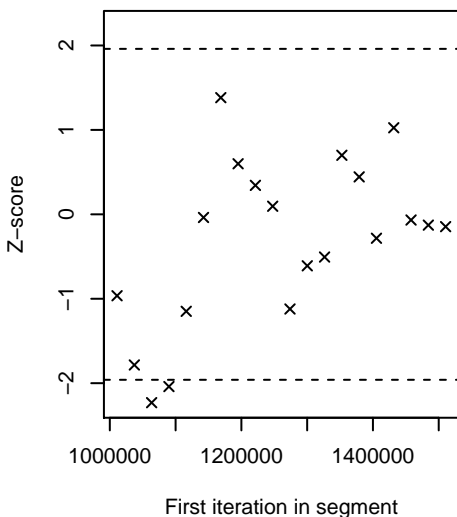
**log.resid[22] (chain2)**



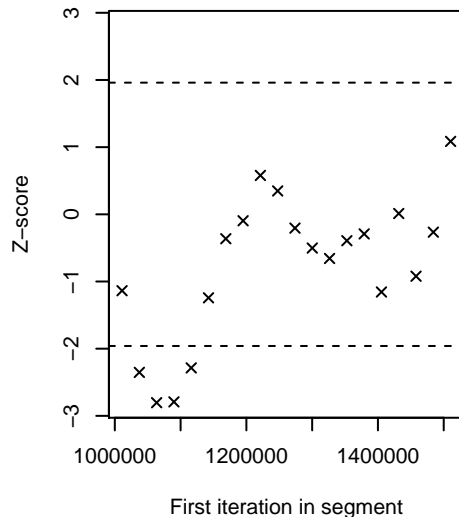
**log.resid[23] (chain2)**



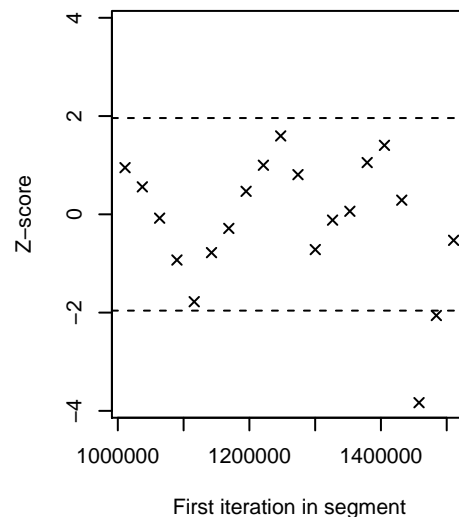
**log.resid[24] (chain2)**



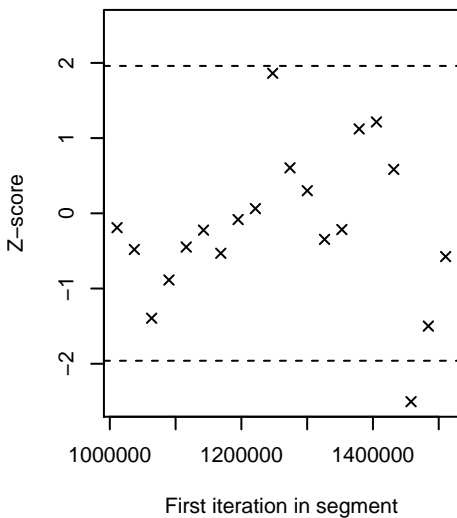
**log.resid[25] (chain2)**



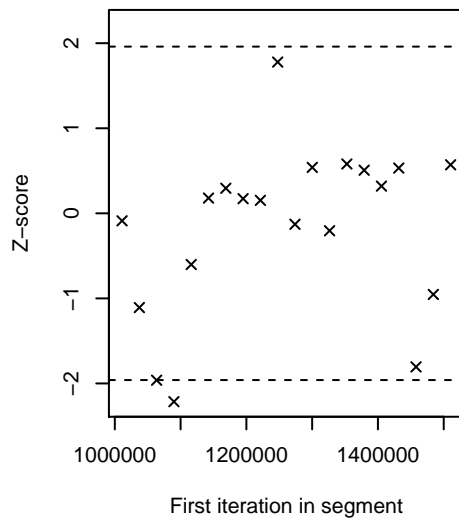
**log.resid[26] (chain2)**



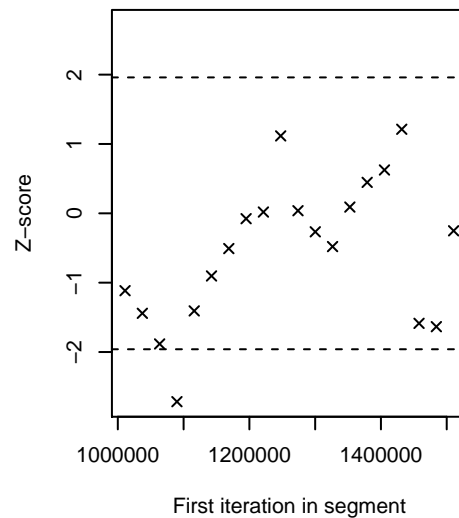
**log.resid[27] (chain2)**



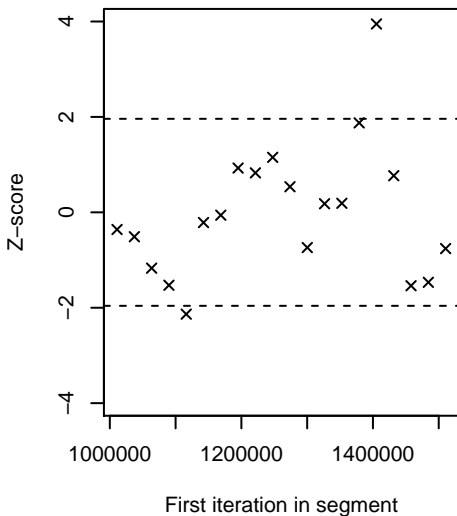
**log.resid[28] (chain2)**



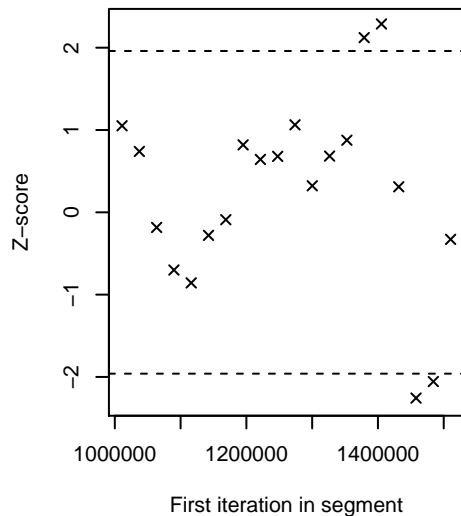
**log.resid[29] (chain2)**



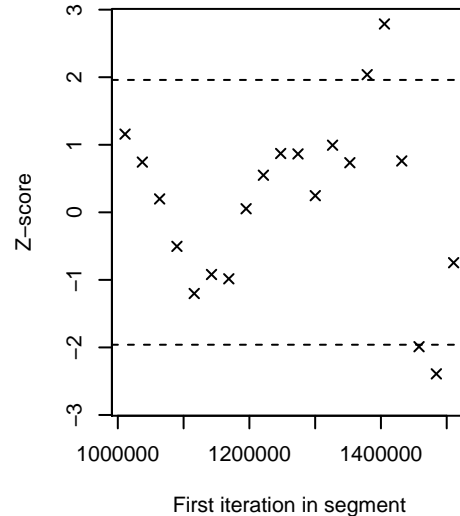
**log.resid[30] (chain2)**



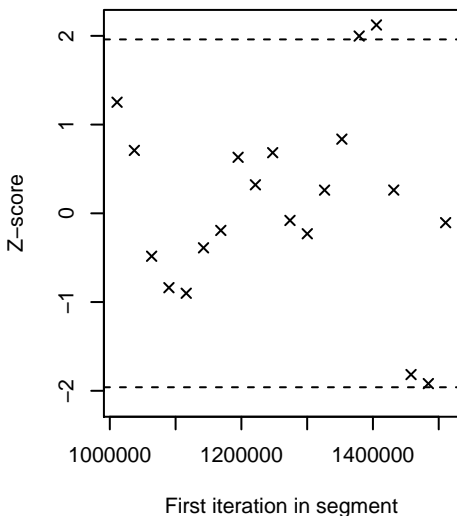
**log.resid[31] (chain2)**



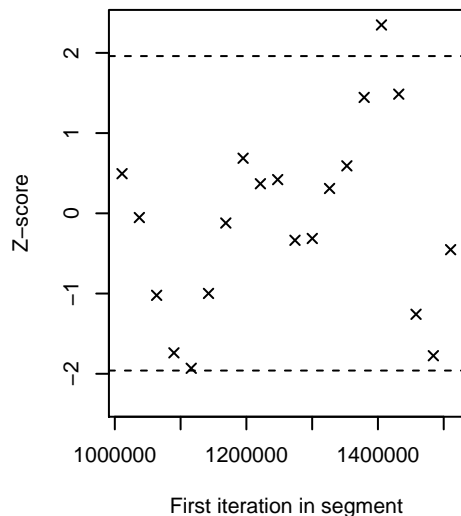
**log.resid[32] (chain2)**



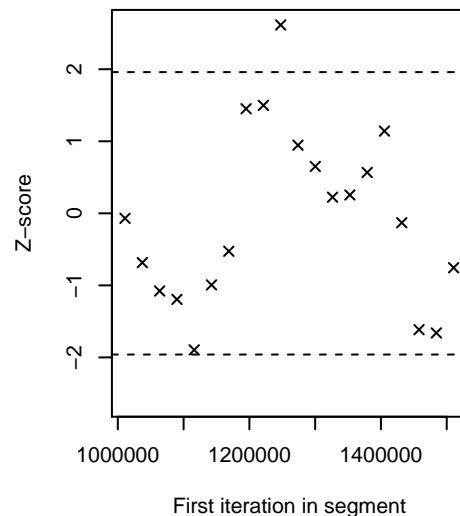
**log.resid[33] (chain2)**



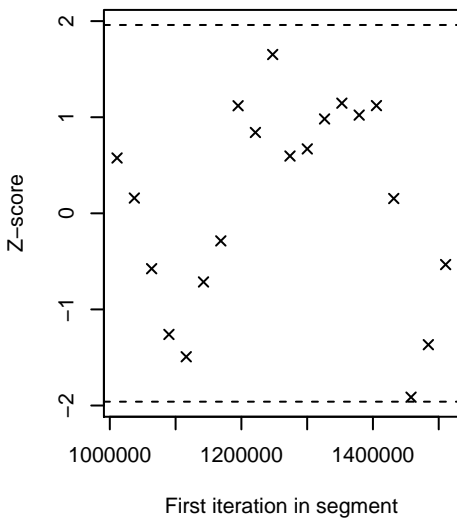
**log.resid[34] (chain2)**



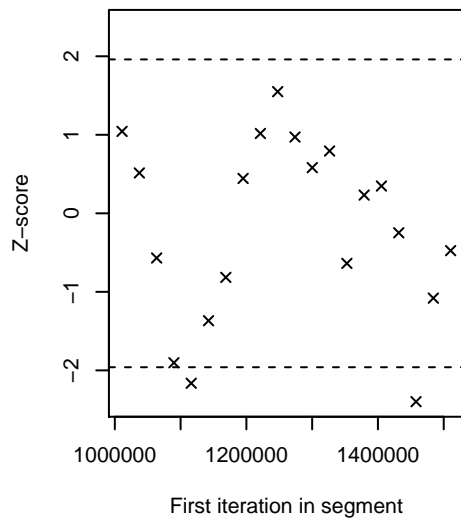
**log.resid[35] (chain2)**



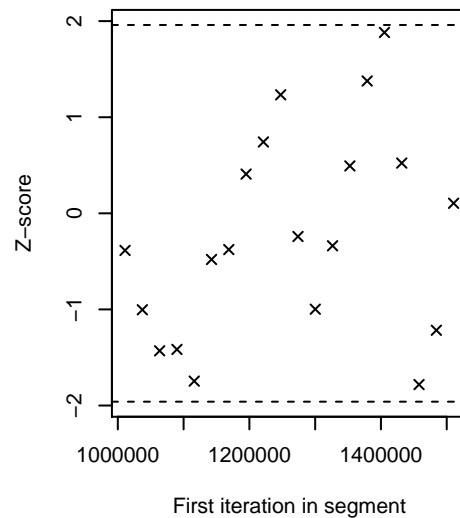
**log.resid[36] (chain2)**



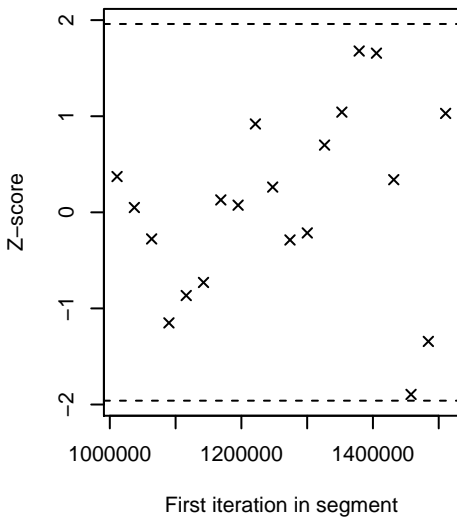
**log.resid[37] (chain2)**



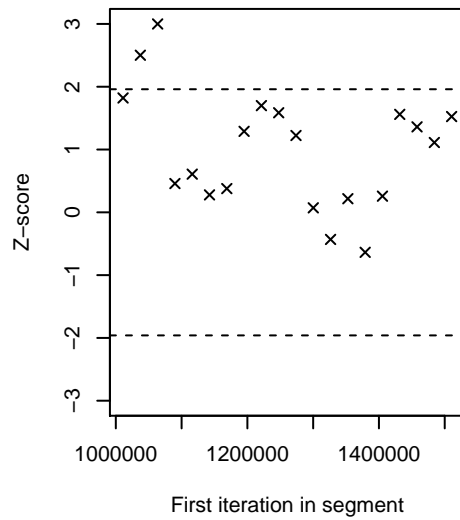
**log.resid[38] (chain2)**



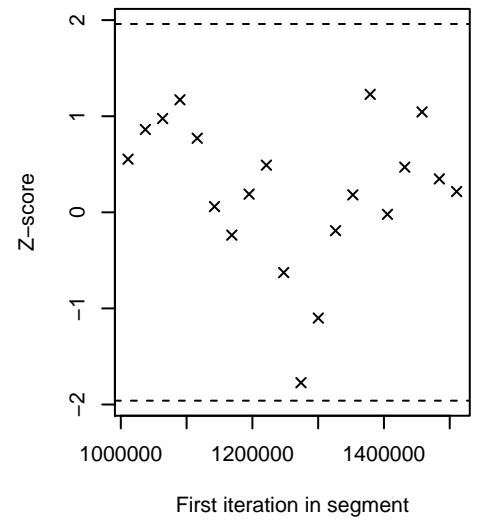
**log.resid[39] (chain2)**



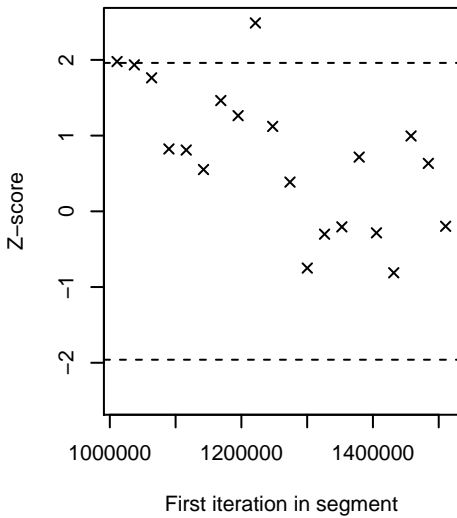
**log.resid.0 (chain2)**



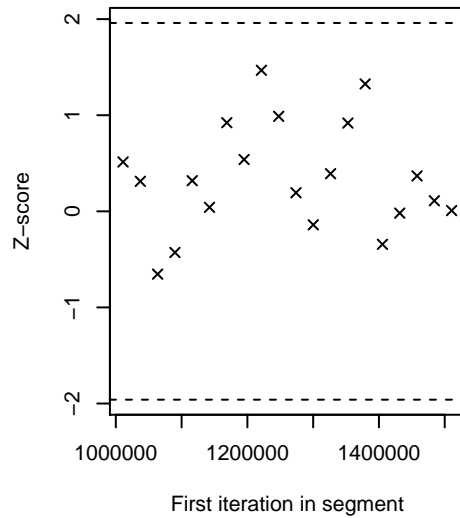
**mean.log.R0 (chain2)**



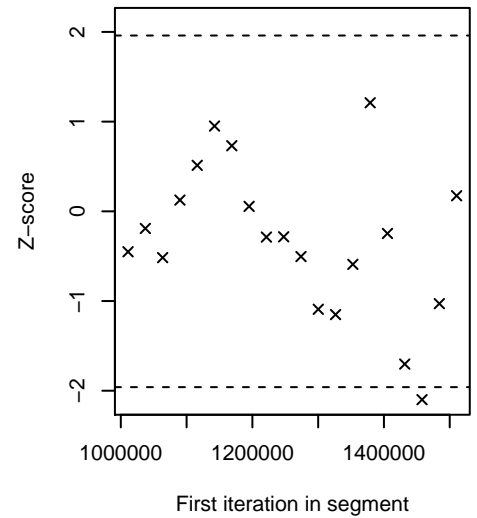
**mu.HB[1] (chain2)**



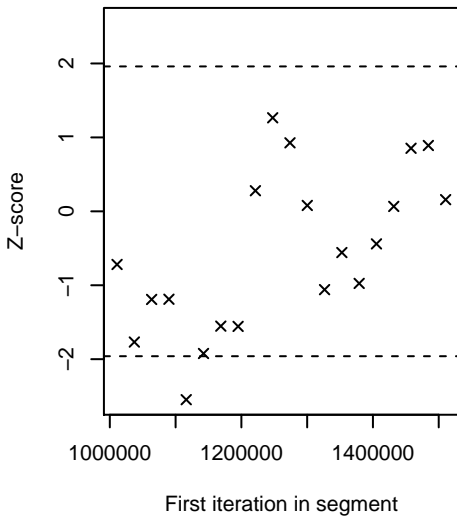
**mu.HB[2] (chain2)**



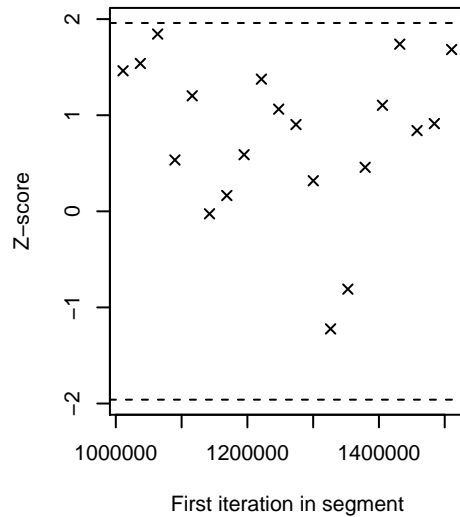
**mu.HB[3] (chain2)**



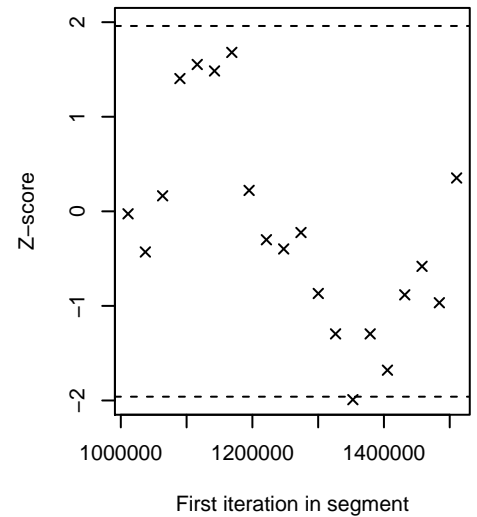
**mu.HB[4] (chain2)**



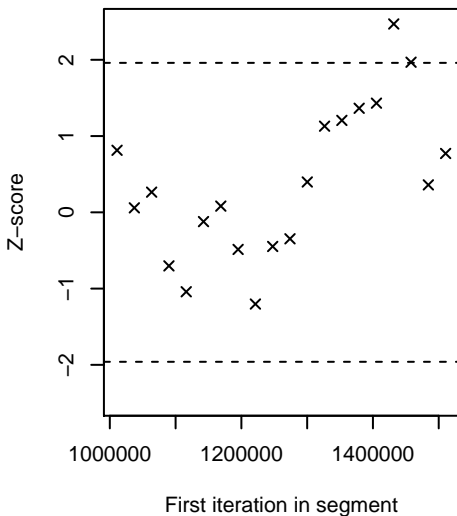
**mu.HB[5] (chain2)**



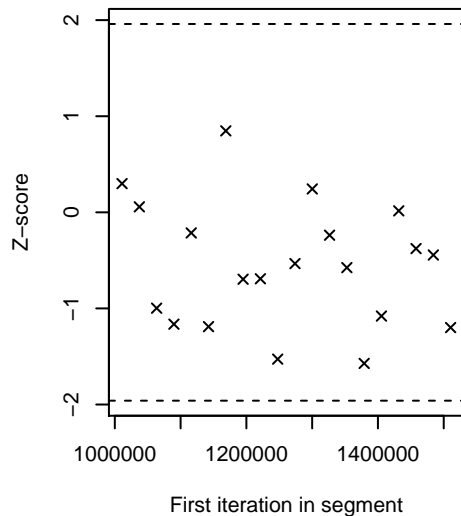
**mu.HB[6] (chain2)**



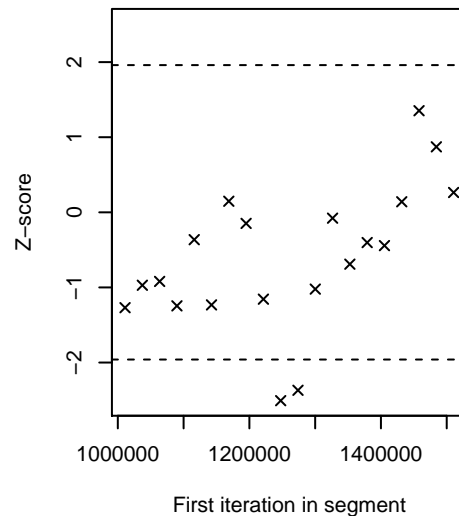
**mu.HB[7] (chain2)**



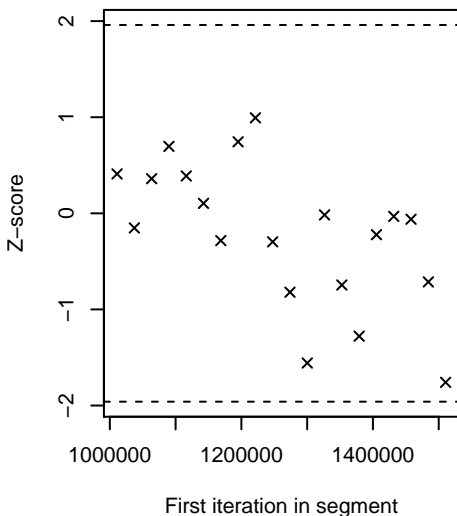
**mu.HB[8] (chain2)**



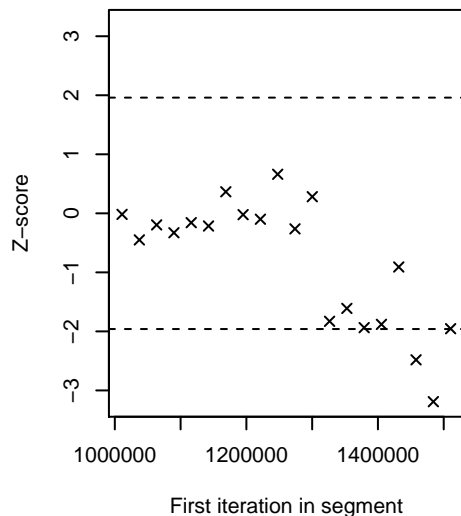
**mu.HB[9] (chain2)**



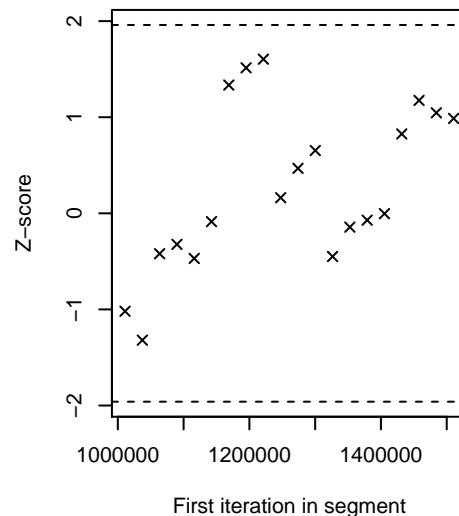
**mu.HB[10] (chain2)**



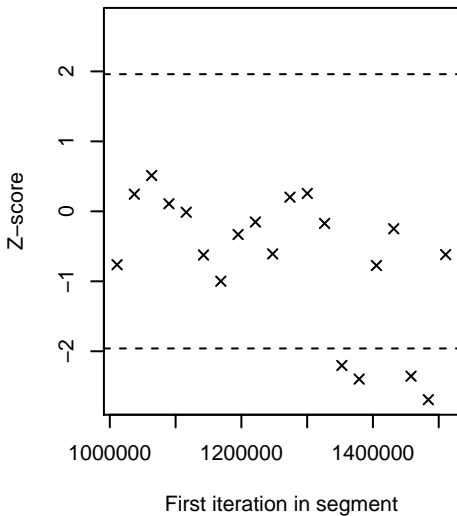
**mu.HB[11] (chain2)**



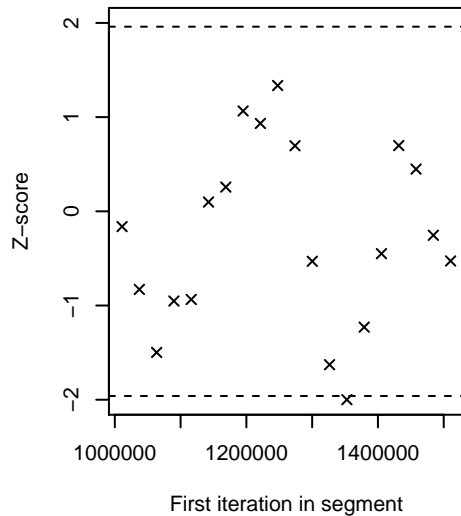
**mu.HB[12] (chain2)**



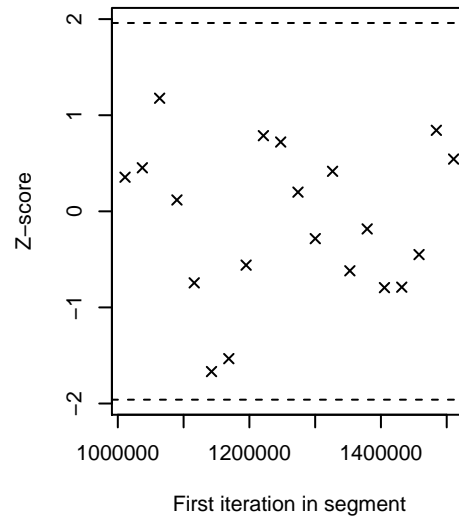
**mu.HB[13] (chain2)**



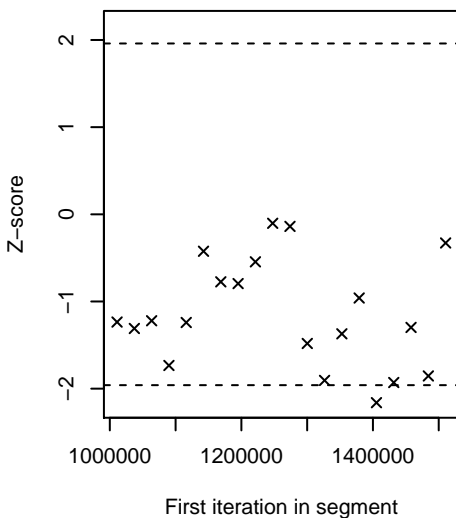
**mu.HB[14] (chain2)**



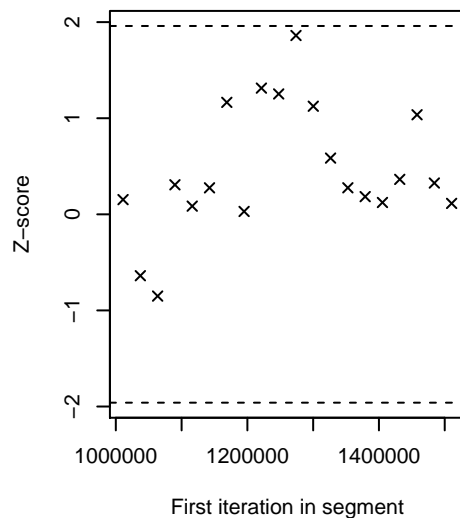
**mu.HB[15] (chain2)**



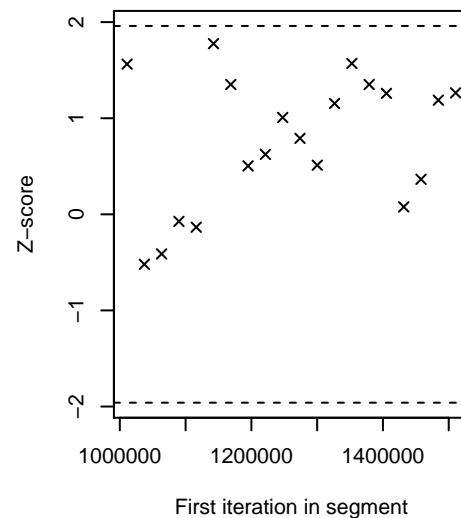
**mu.HB[16] (chain2)**



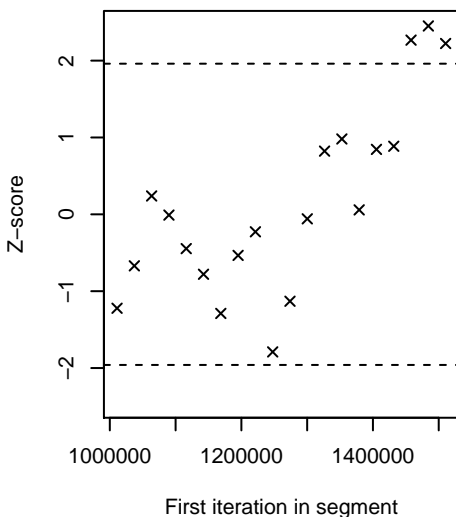
**mu.HB[17] (chain2)**



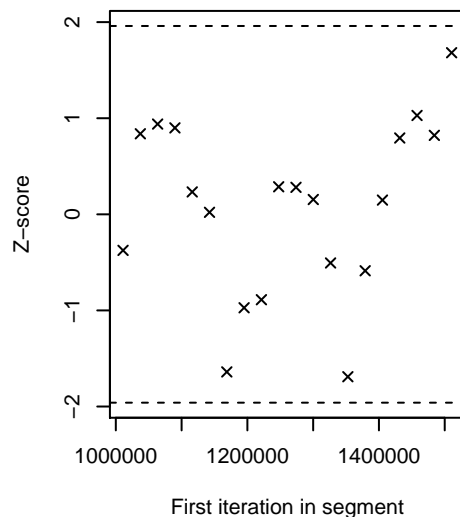
**mu.HB[18] (chain2)**



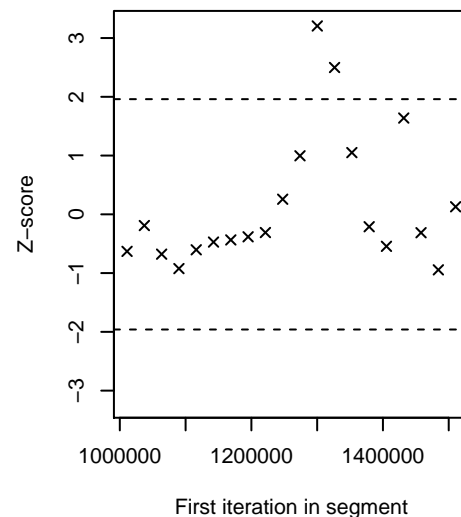
**mu.HB[19] (chain2)**



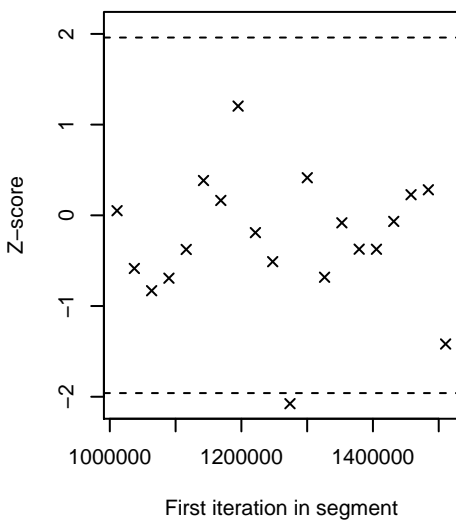
**mu.HB[20] (chain2)**



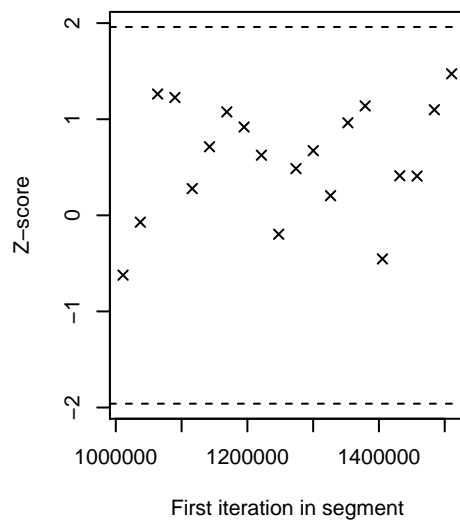
**mu.HB[21] (chain2)**



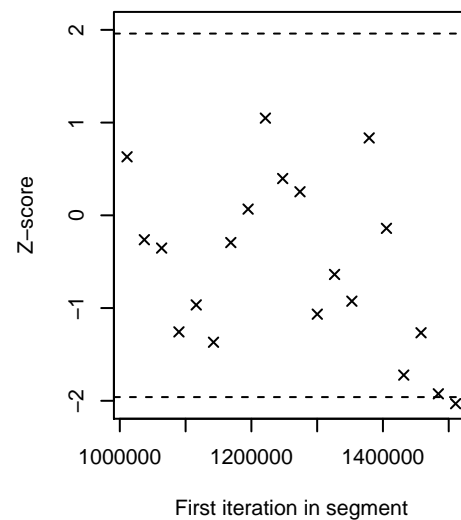
**mu.HB[22] (chain2)**



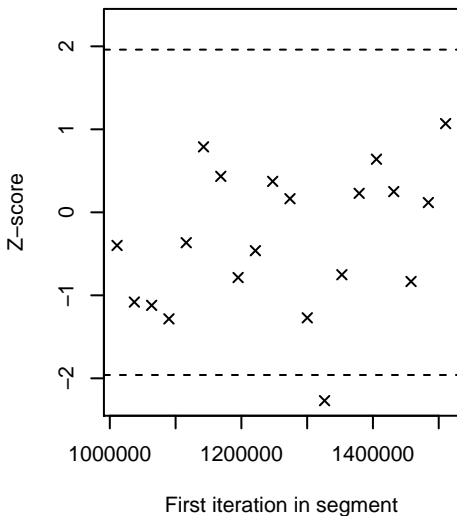
**mu.HB[23] (chain2)**



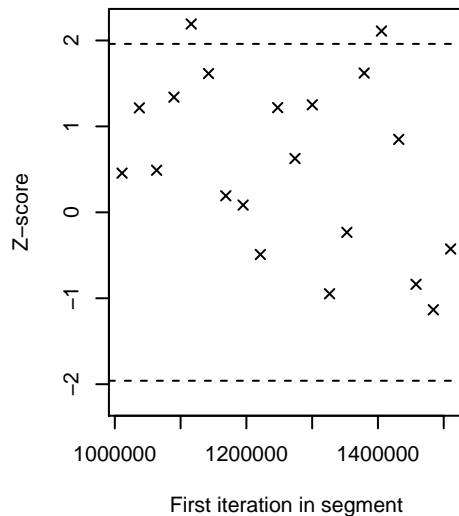
**mu.HB[24] (chain2)**



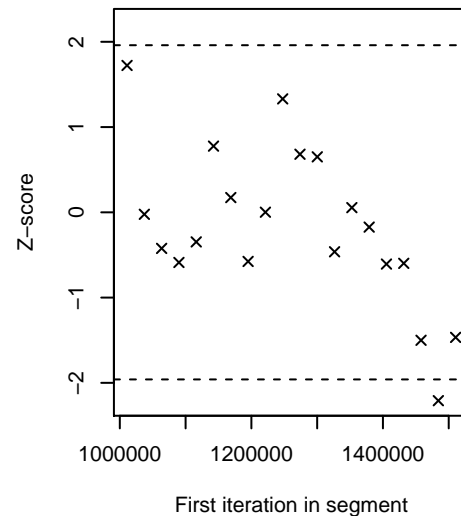
**mu.HB[25] (chain2)**



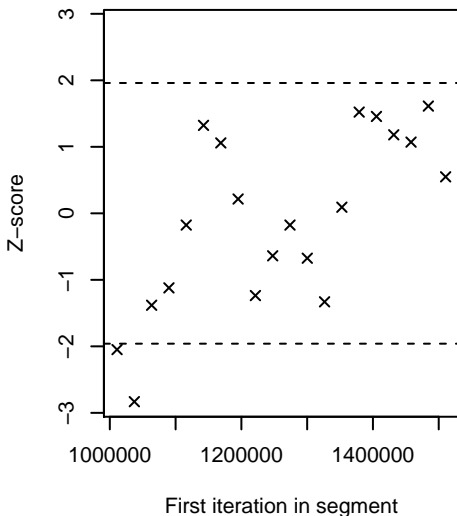
**mu.HB[26] (chain2)**



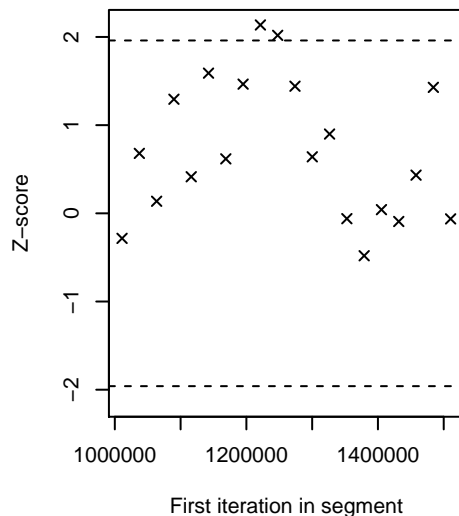
**mu.HB[27] (chain2)**



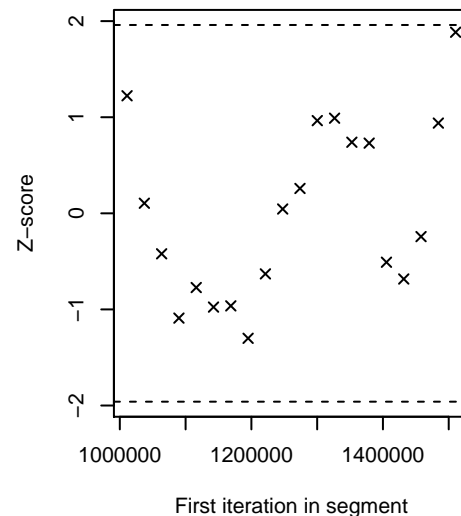
**mu.HB[28] (chain2)**



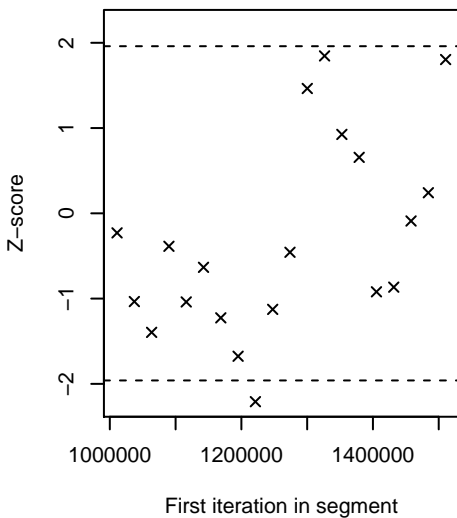
**mu.HB[29] (chain2)**



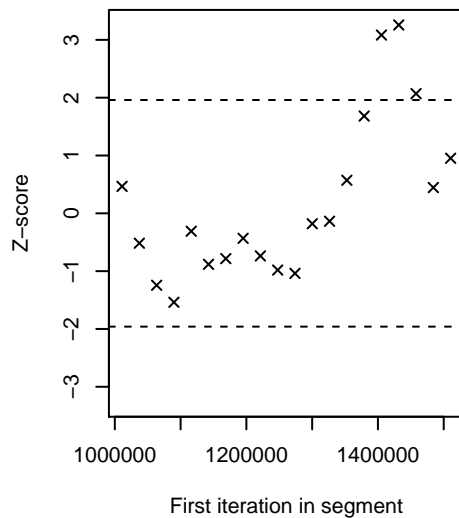
**mu.HB[30] (chain2)**



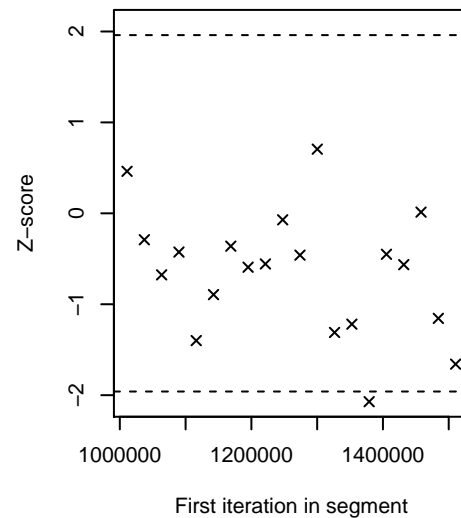
**mu.HB[31] (chain2)**



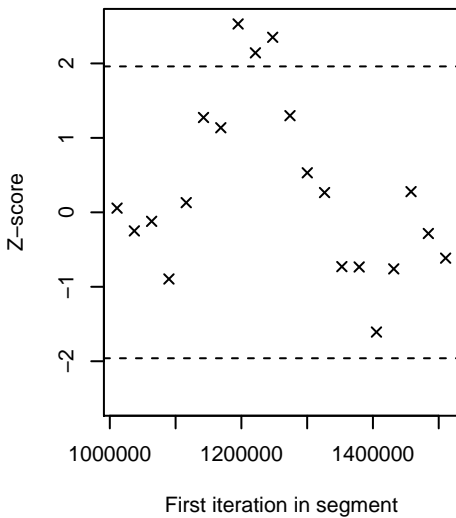
**mu.HB[32] (chain2)**



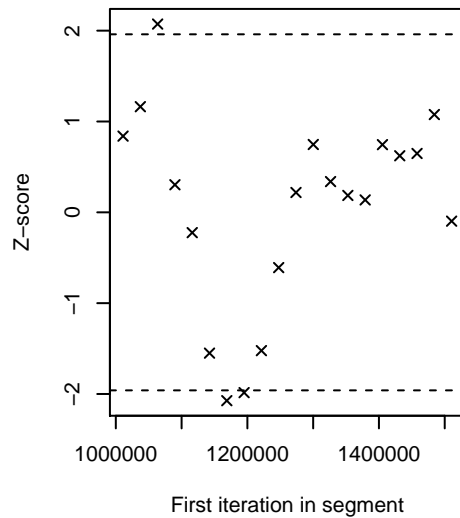
**mu.HB[33] (chain2)**



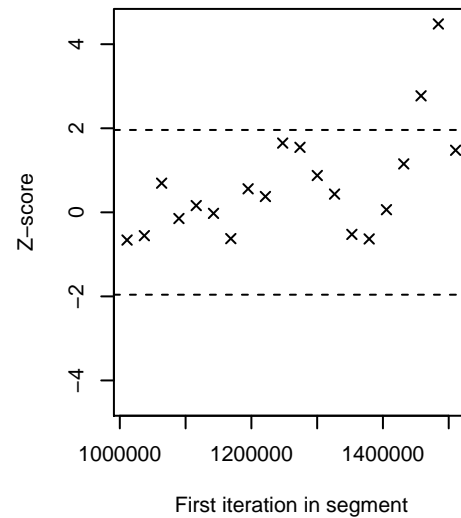
**mu.HB[34] (chain2)**



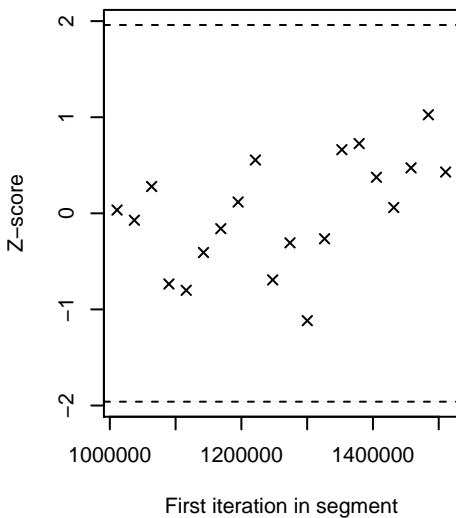
**mu.HB[35] (chain2)**



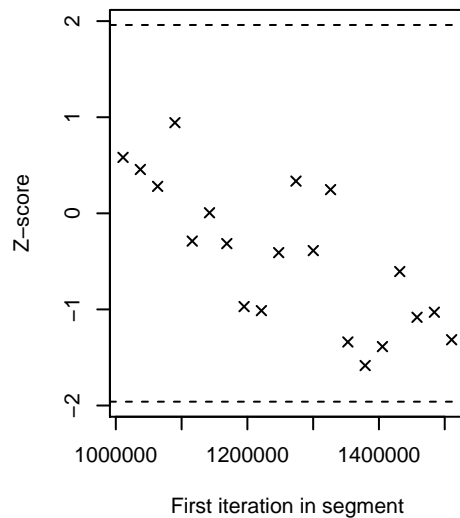
**mu.HB[36] (chain2)**



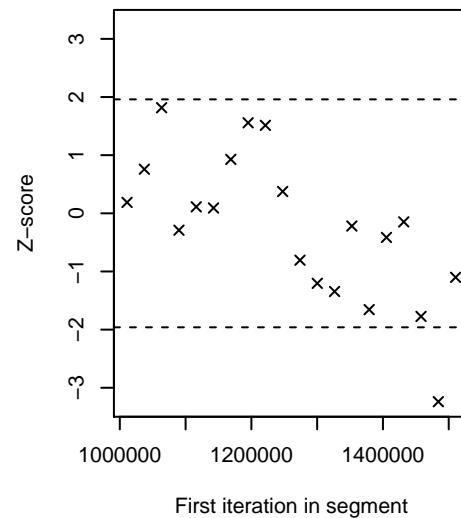
**mu.HB[37] (chain2)**



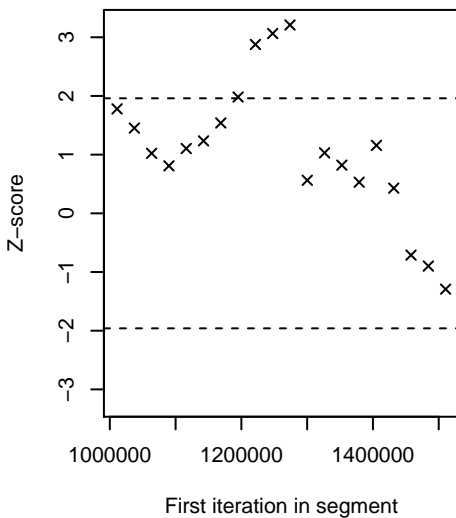
**p[1,1] (chain2)**



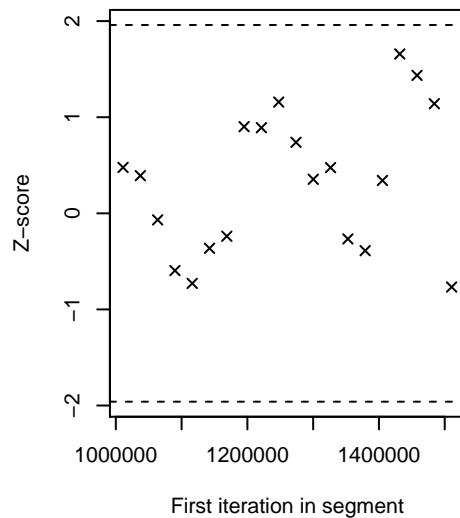
**p[2,1] (chain2)**



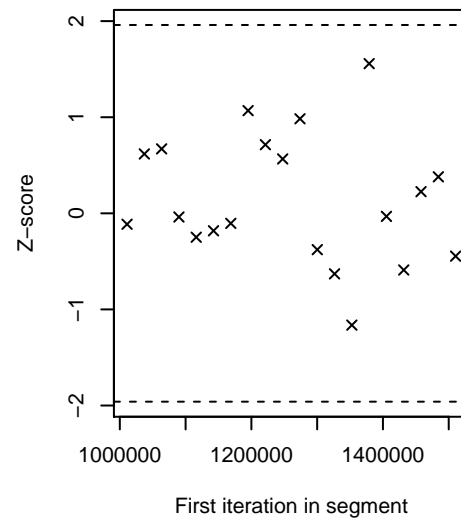
**p[3,1] (chain2)**



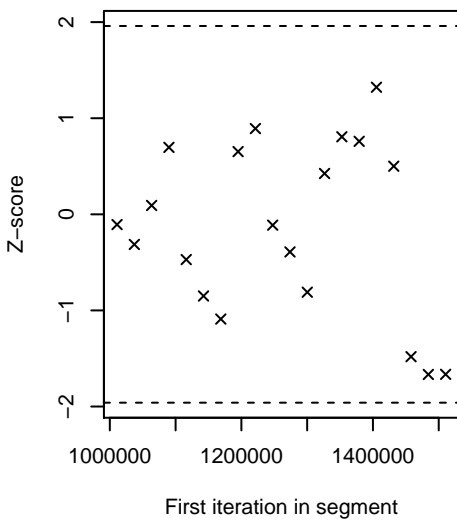
**p[4,1] (chain2)**



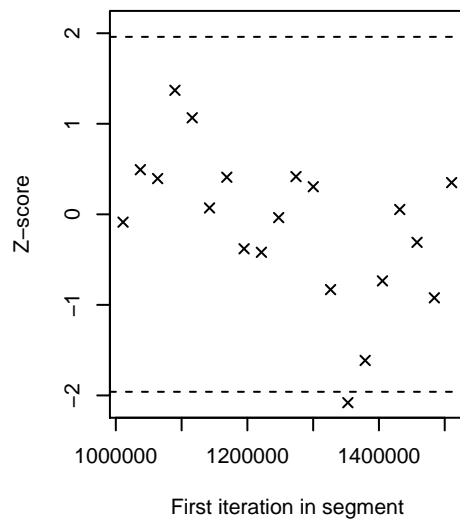
**p[5,1] (chain2)**



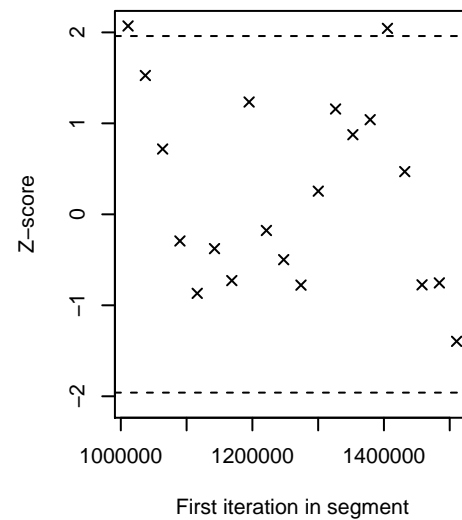
**p[6,1] (chain2)**



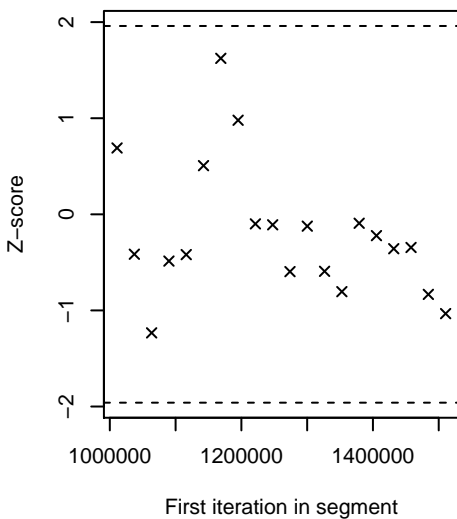
**p[7,1] (chain2)**



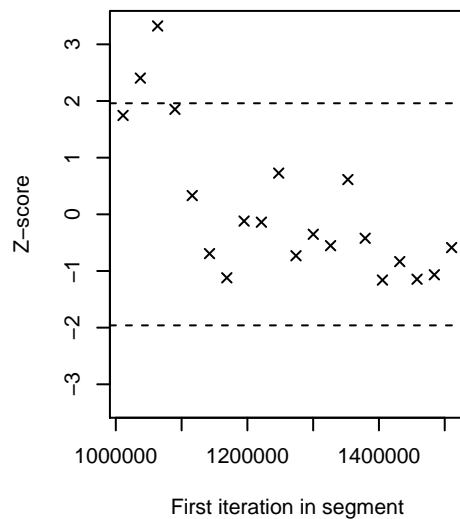
**p[8,1] (chain2)**



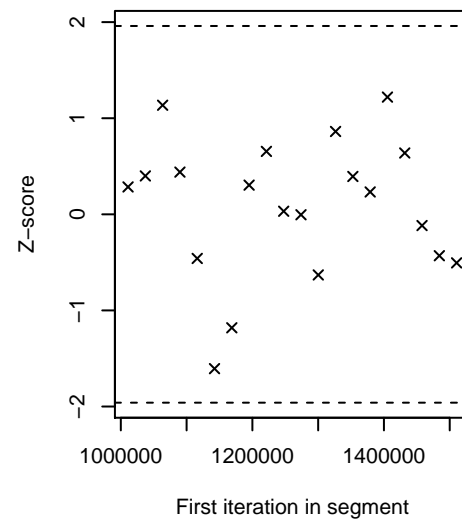
**p[9,1] (chain2)**



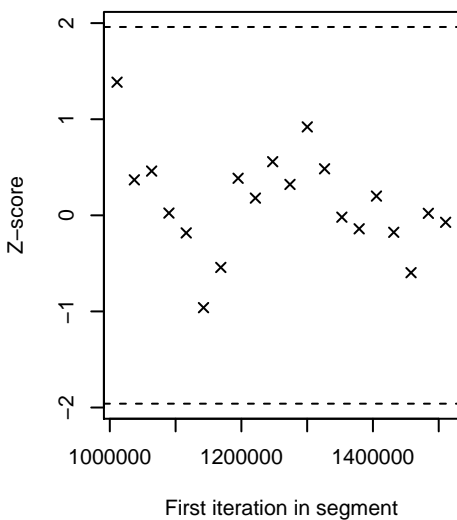
**p[10,1] (chain2)**



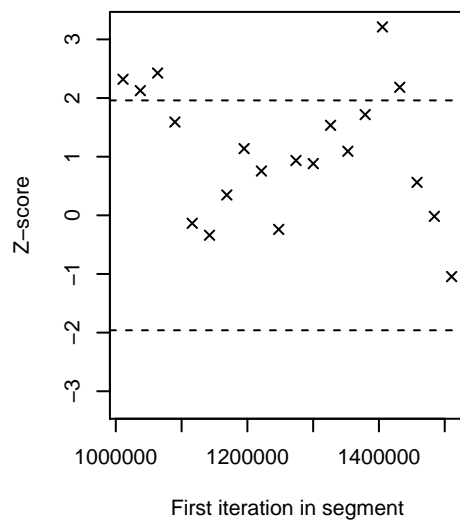
**p[11,1] (chain2)**



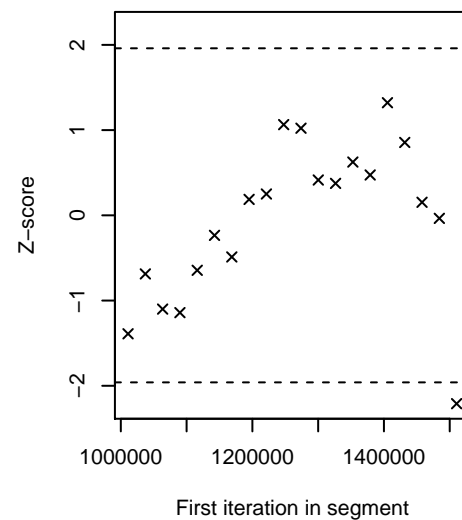
**p[12,1] (chain2)**



**p[13,1] (chain2)**

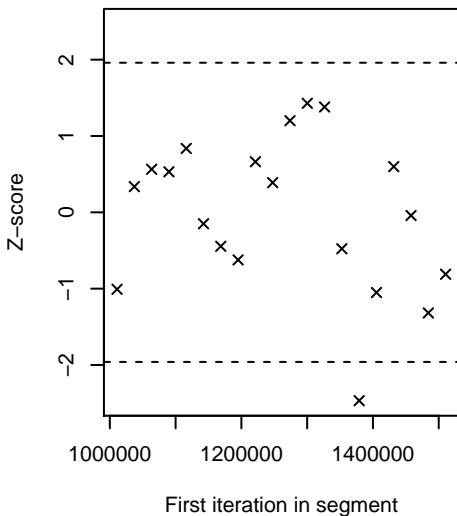


**p[14,1] (chain2)**

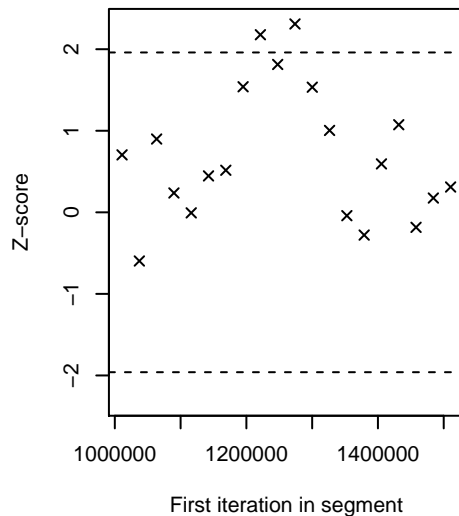




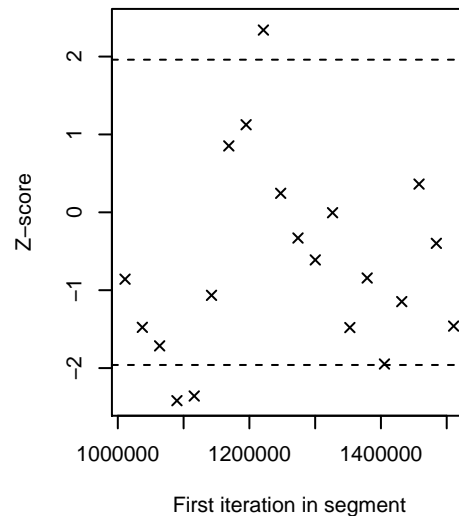
**p[15,1] (chain2)**



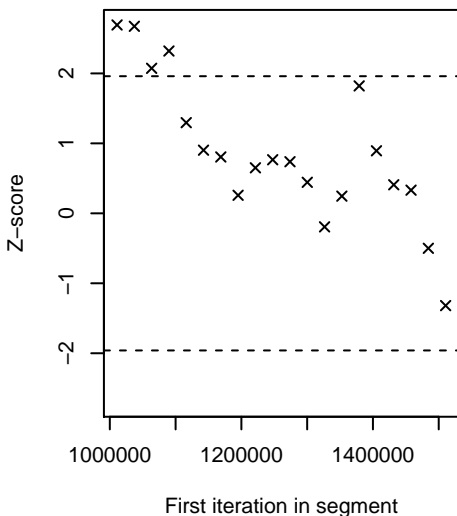
**p[16,1] (chain2)**



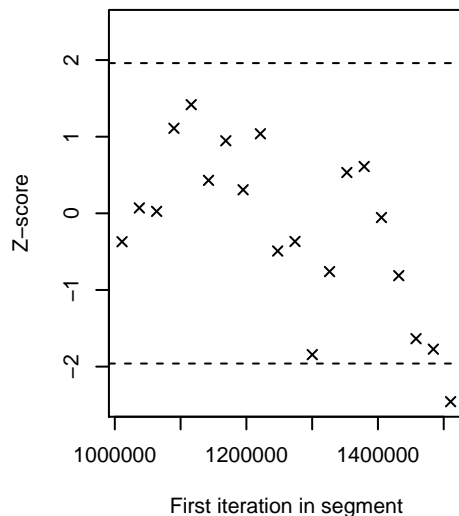
**p[17,1] (chain2)**



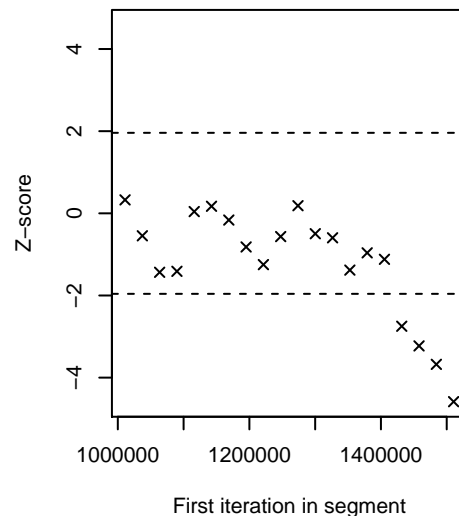
**p[18,1] (chain2)**



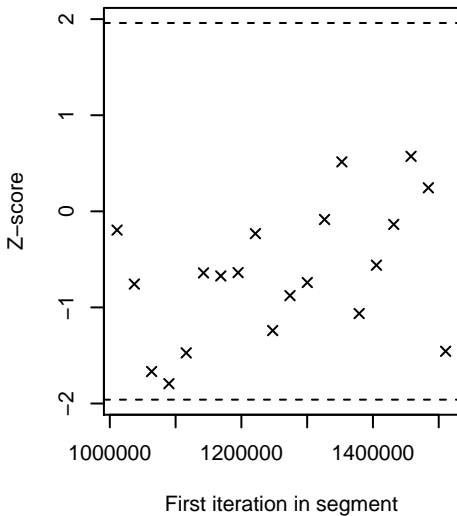
**p[19,1] (chain2)**



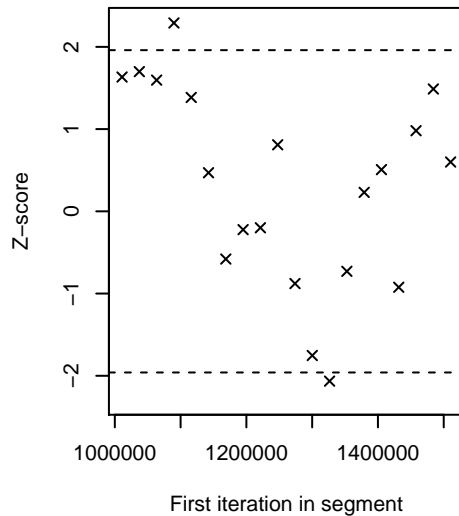
**p[20,1] (chain2)**



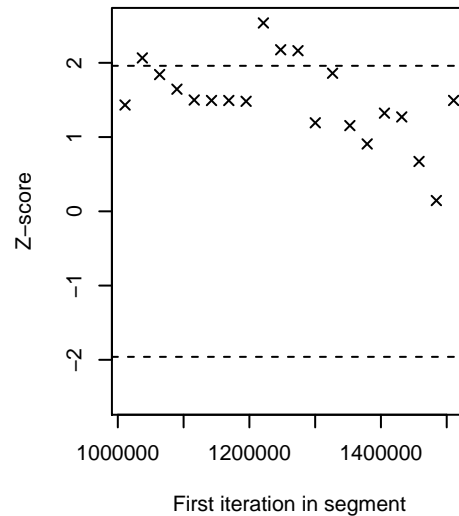
**p[21,1] (chain2)**



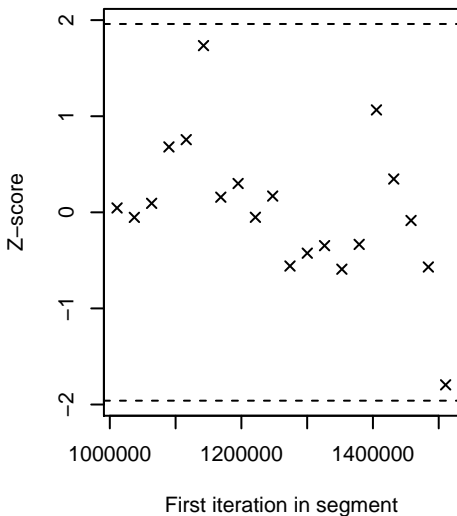
**p[22,1] (chain2)**



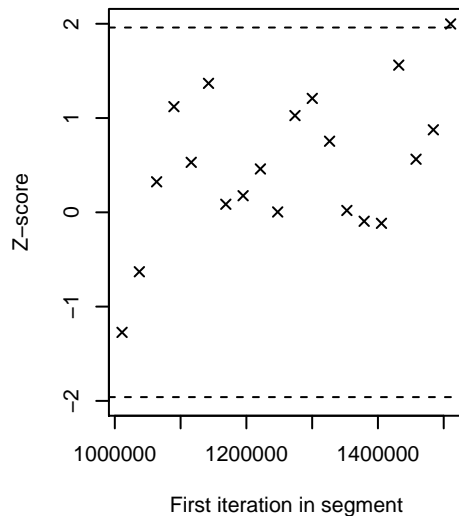
**p[23,1] (chain2)**



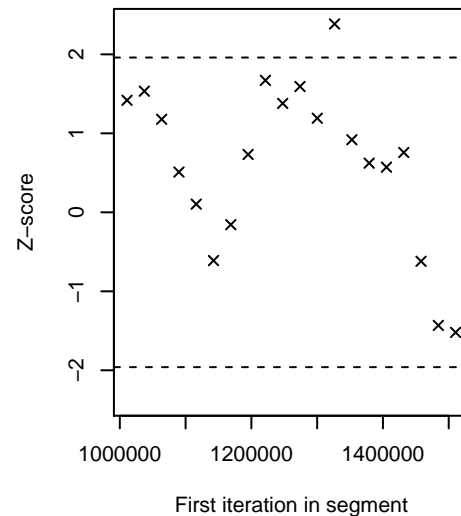
**p[24,1] (chain2)**



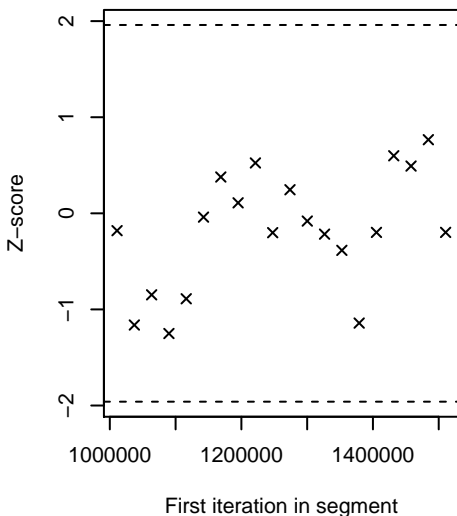
**p[25,1] (chain2)**



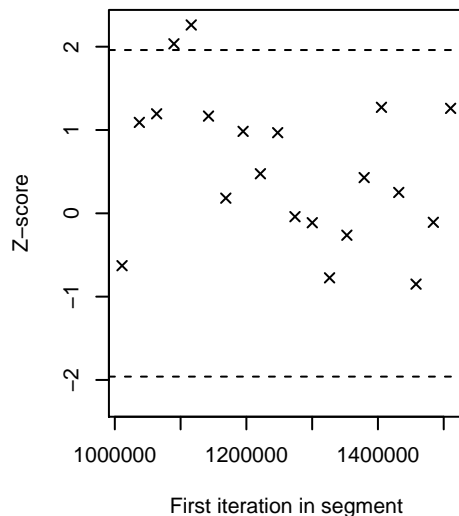
**p[26,1] (chain2)**



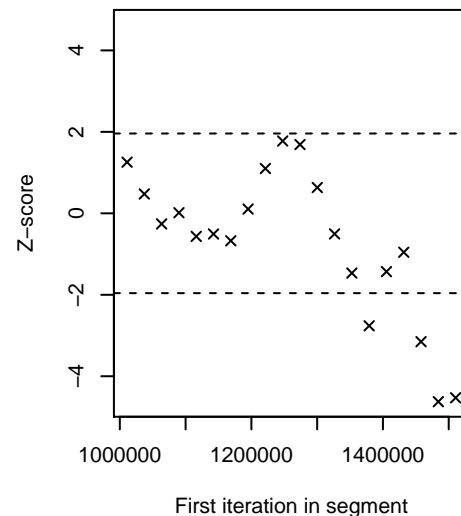
**p[27,1] (chain2)**



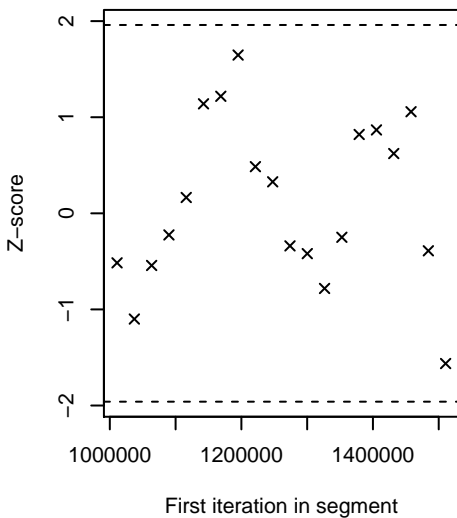
**p[28,1] (chain2)**



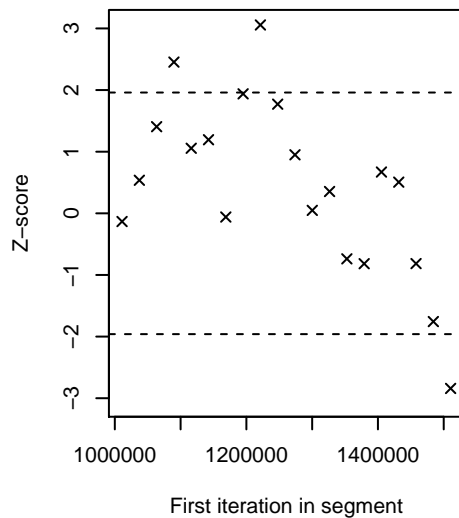
**p[29,1] (chain2)**



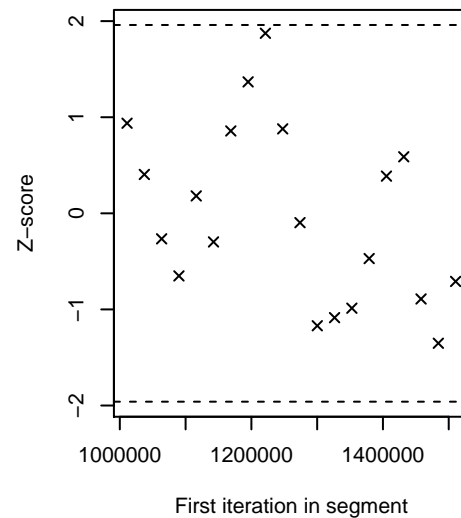
**p[30,1] (chain2)**



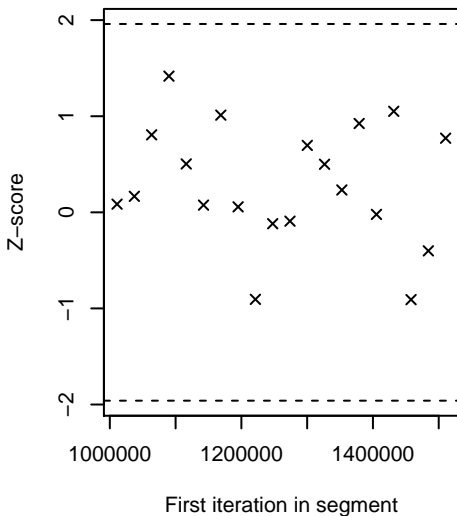
**p[31,1] (chain2)**



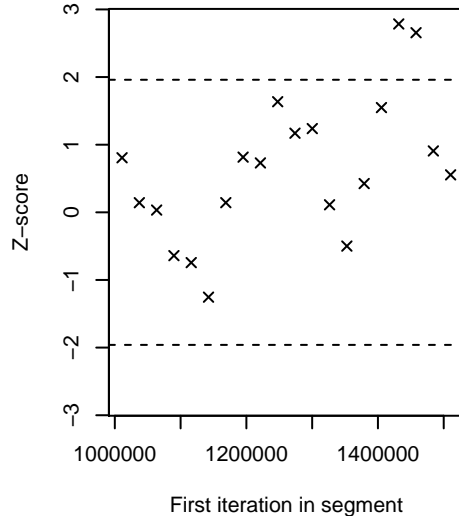
**p[32,1] (chain2)**



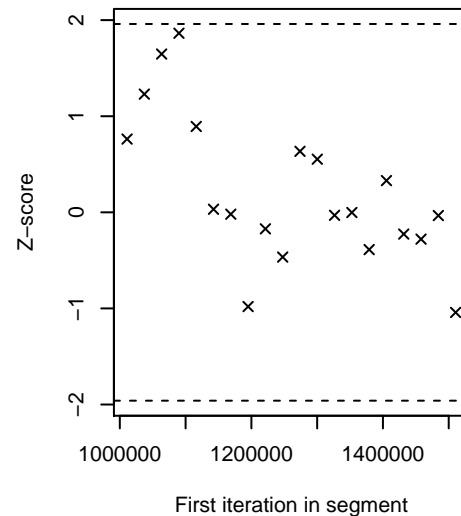
**p[33,1] (chain2)**



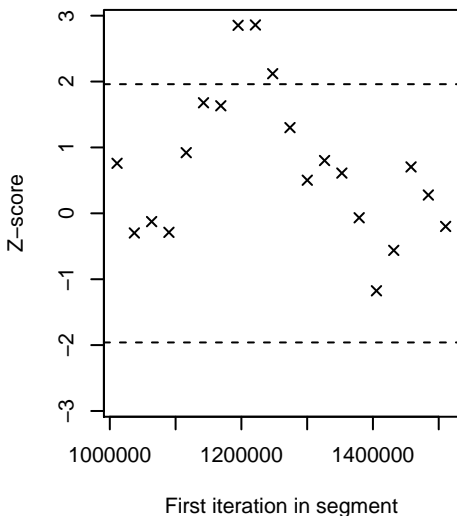
**p[34,1] (chain2)**



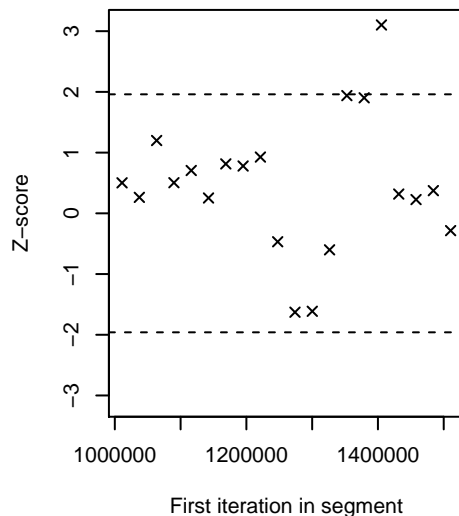
**p[35,1] (chain2)**



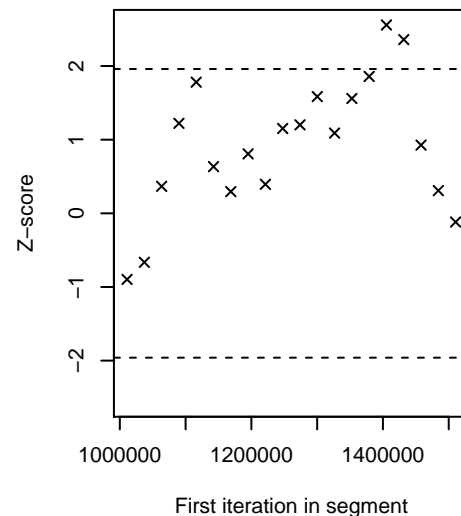
**p[36,1] (chain2)**



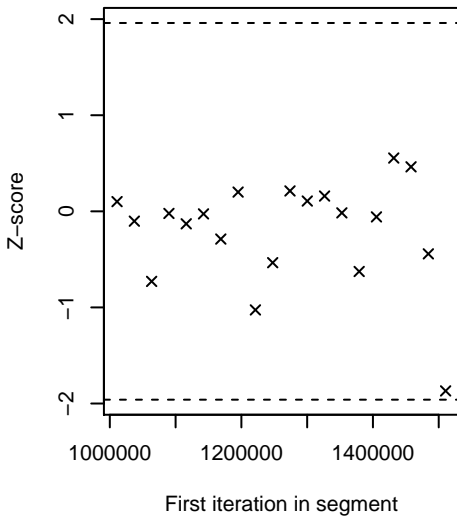
**p[37,1] (chain2)**



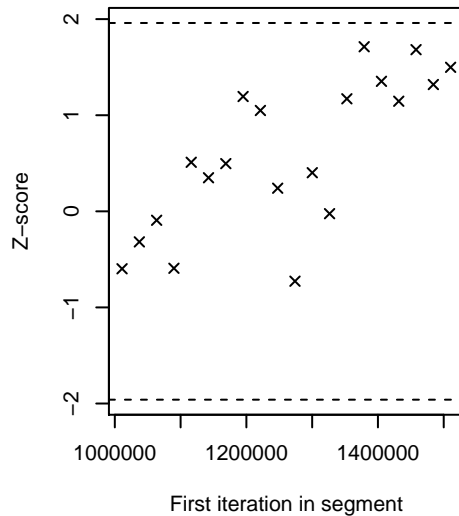
**p[38,1] (chain2)**



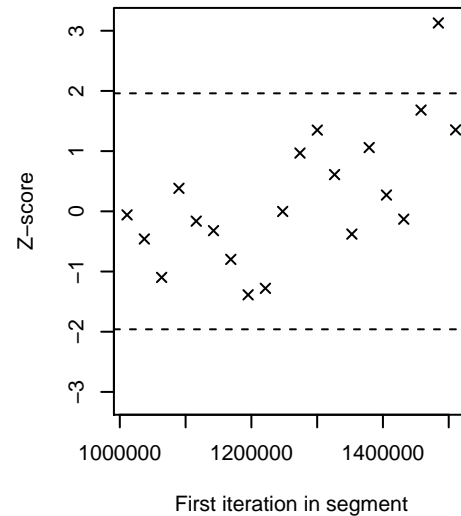
**p[39,1] (chain2)**



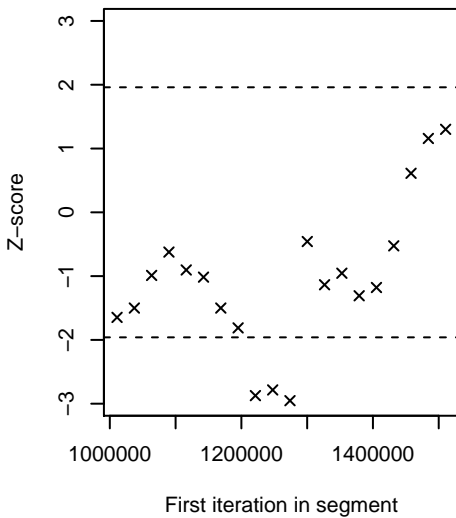
**p[1,2] (chain2)**



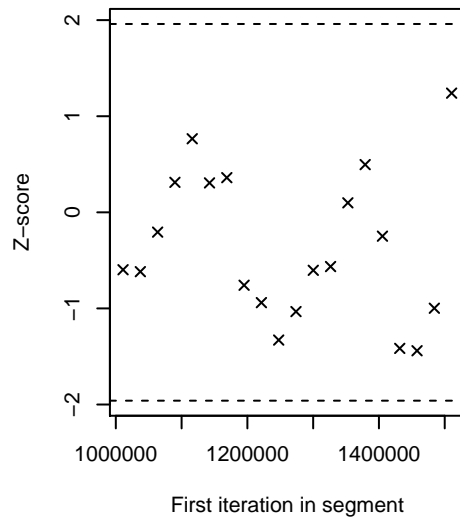
**p[2,2] (chain2)**



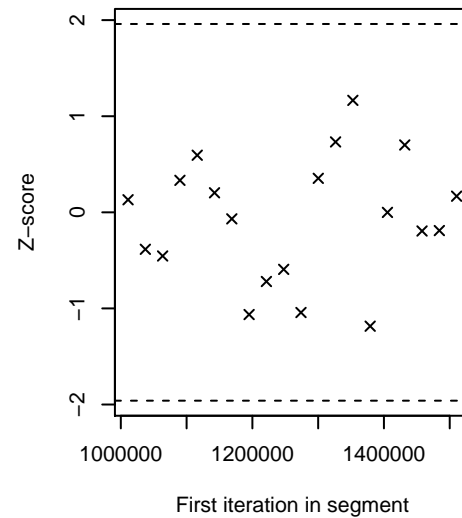
**p[3,2] (chain2)**



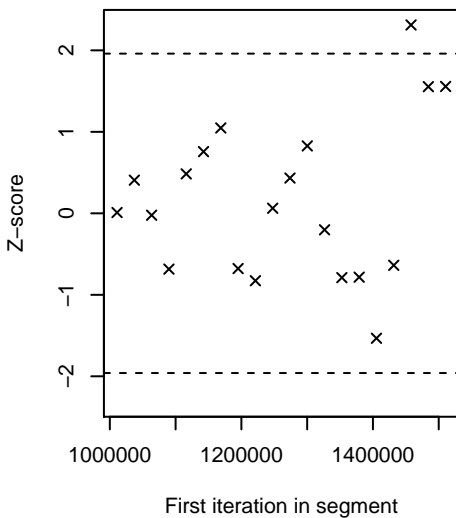
**p[4,2] (chain2)**



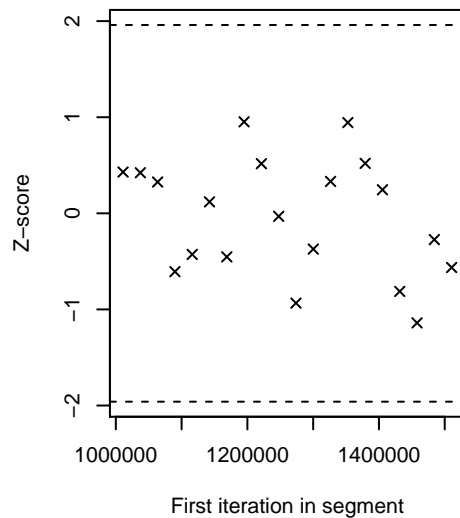
**p[5,2] (chain2)**



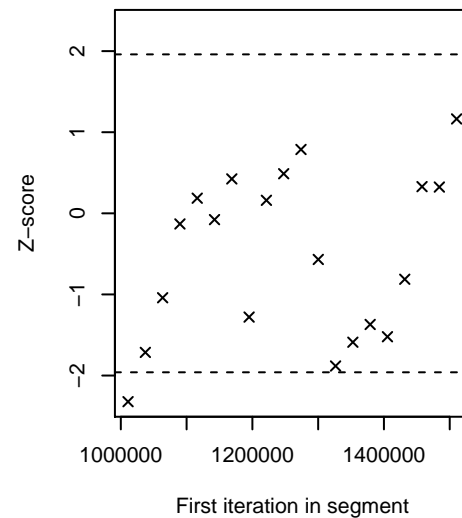
**p[6,2] (chain2)**



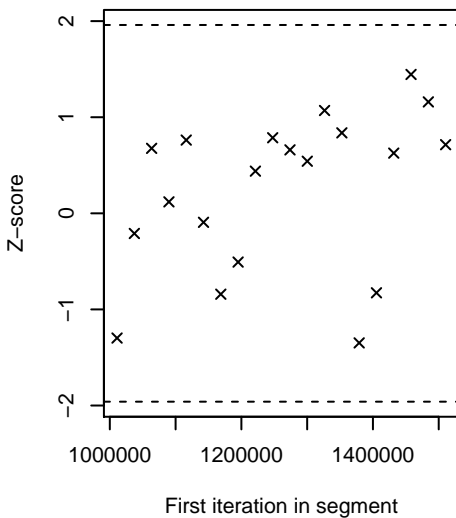
**p[7,2] (chain2)**



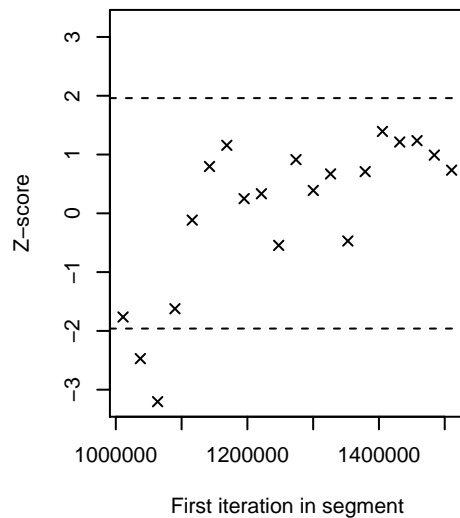
**p[8,2] (chain2)**



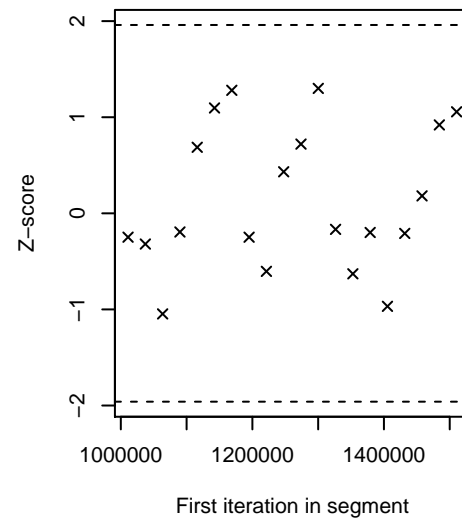
**p[9,2] (chain2)**



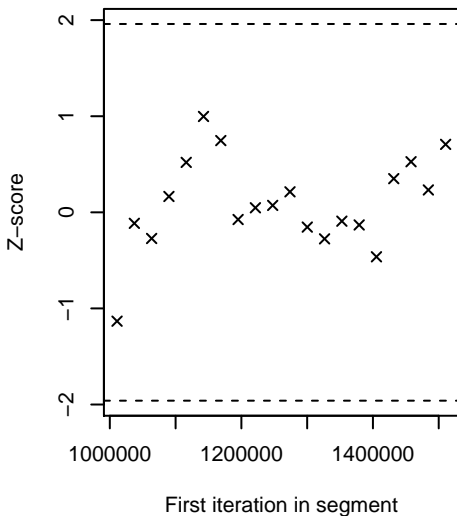
**p[10,2] (chain2)**



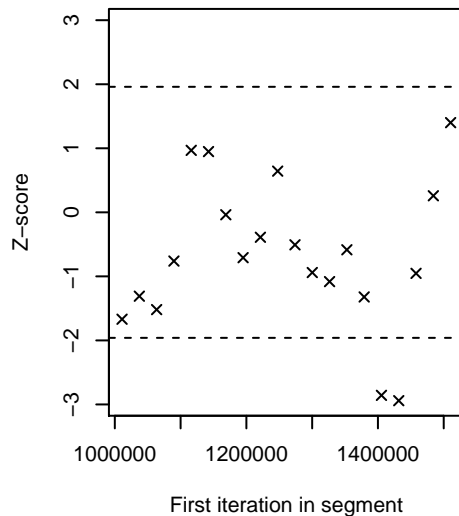
**p[11,2] (chain2)**



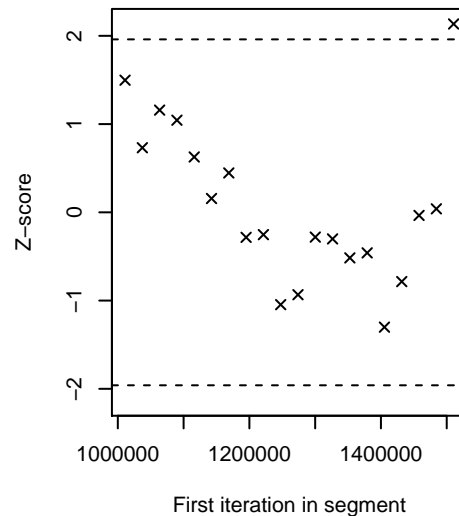
**p[12,2] (chain2)**



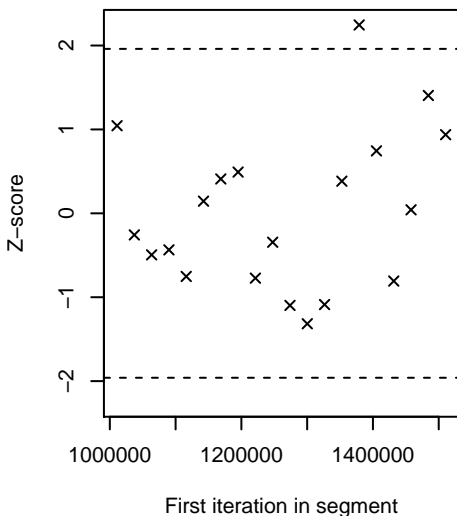
**p[13,2] (chain2)**



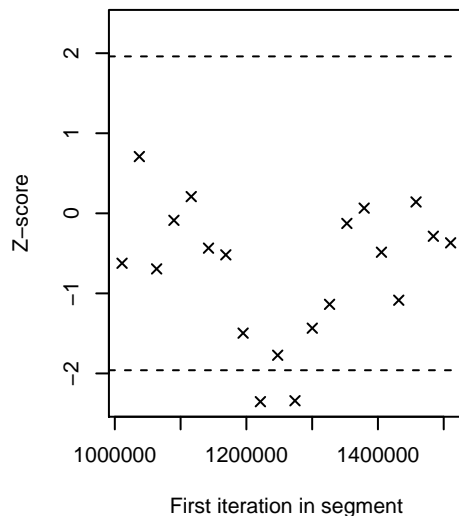
**p[14,2] (chain2)**



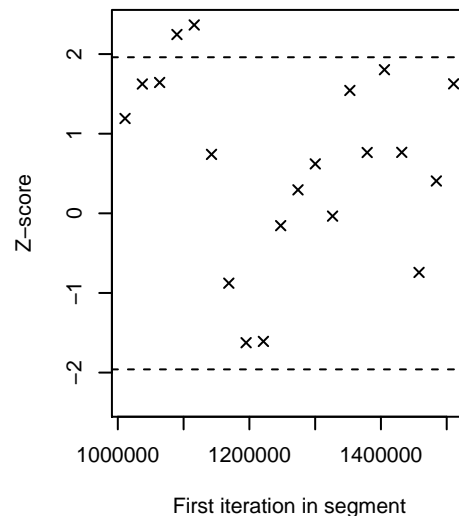
**p[15,2] (chain2)**



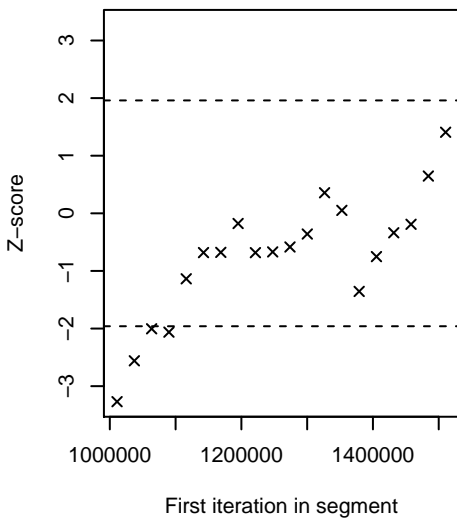
**p[16,2] (chain2)**



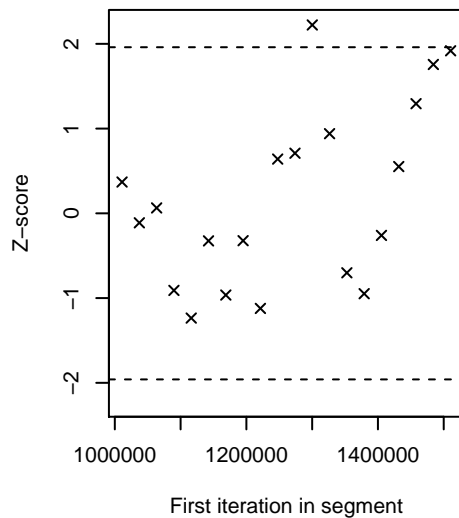
**p[17,2] (chain2)**



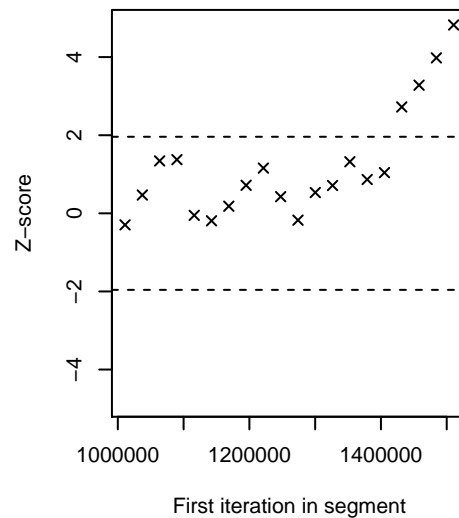
**p[18,2] (chain2)**



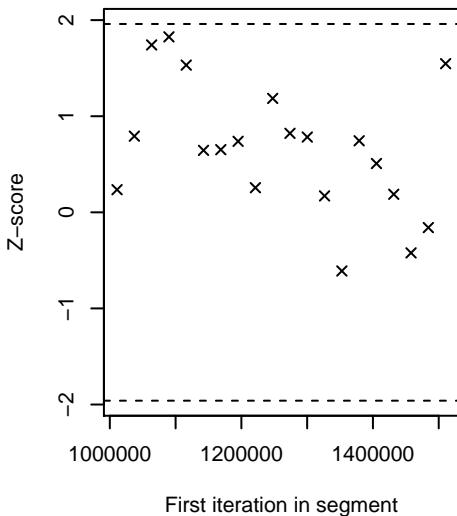
**p[19,2] (chain2)**



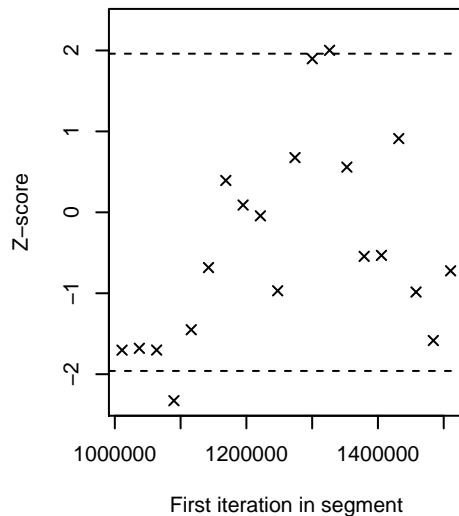
**p[20,2] (chain2)**



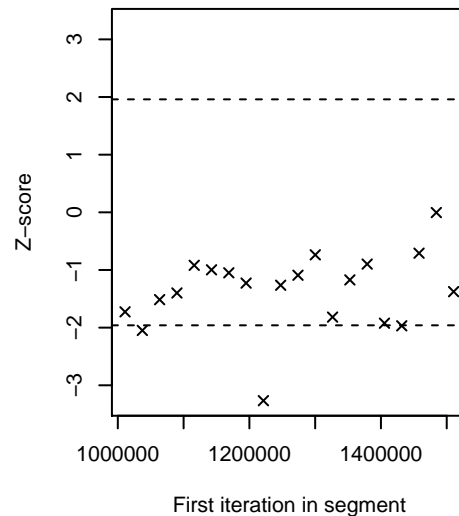
**p[21,2] (chain2)**



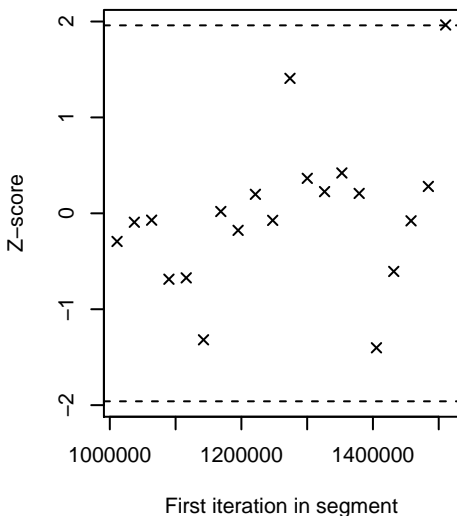
**p[22,2] (chain2)**



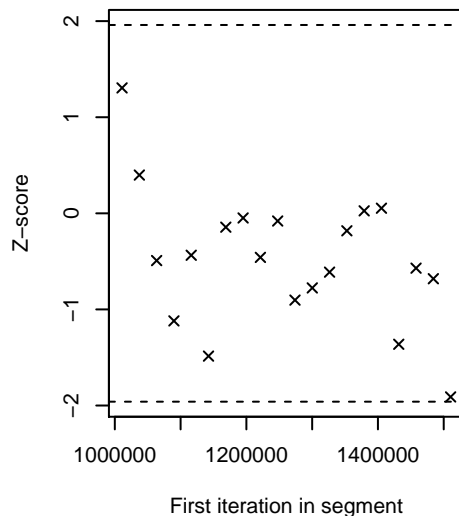
**p[23,2] (chain2)**



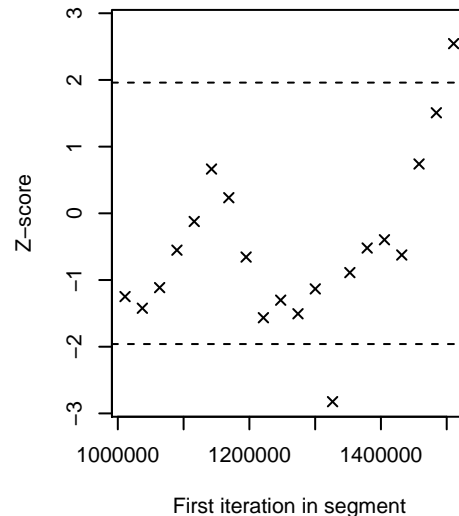
**p[24,2] (chain2)**



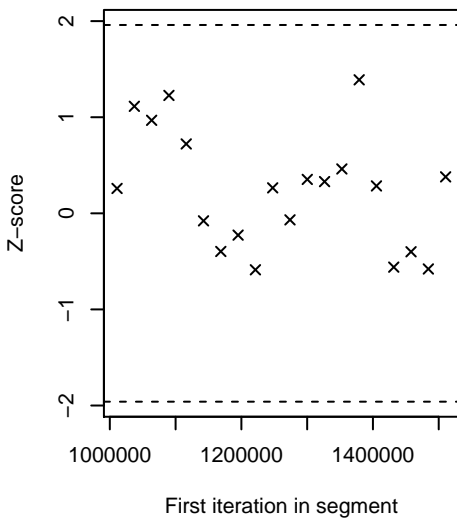
**p[25,2] (chain2)**



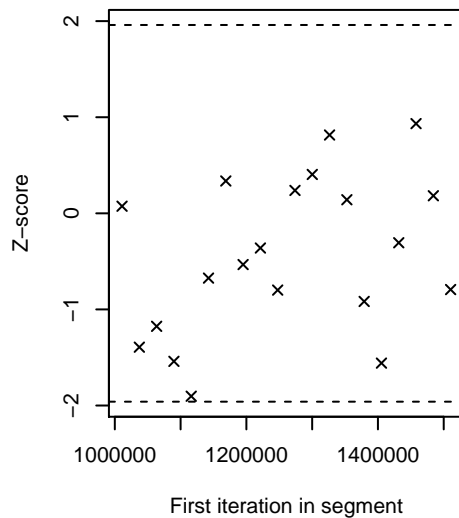
**p[26,2] (chain2)**



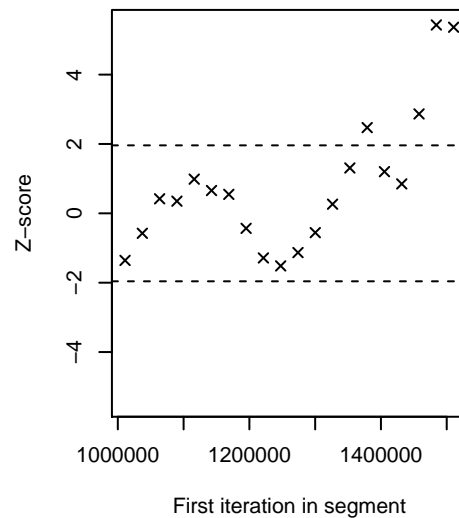
**p[27,2] (chain2)**



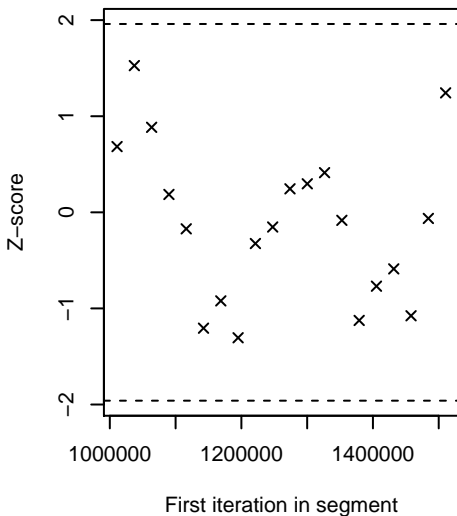
**p[28,2] (chain2)**



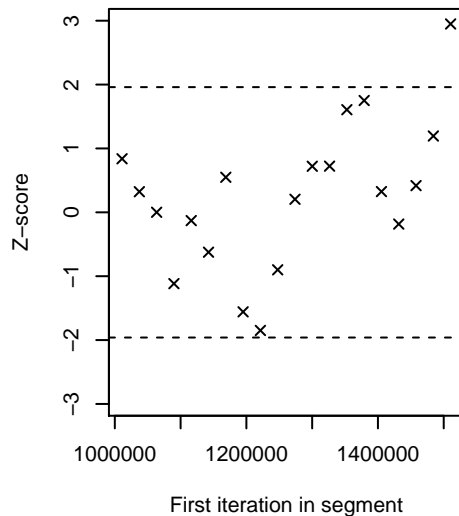
**p[29,2] (chain2)**



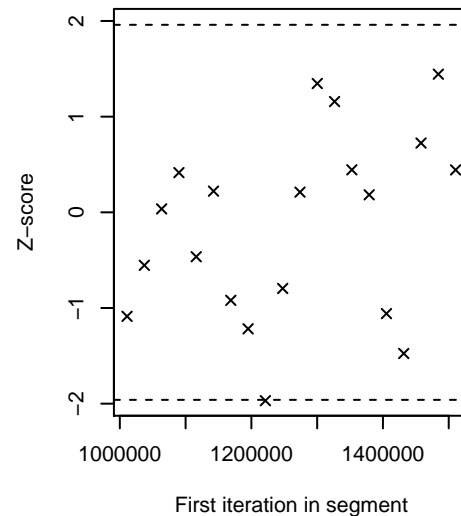
**p[30,2] (chain2)**



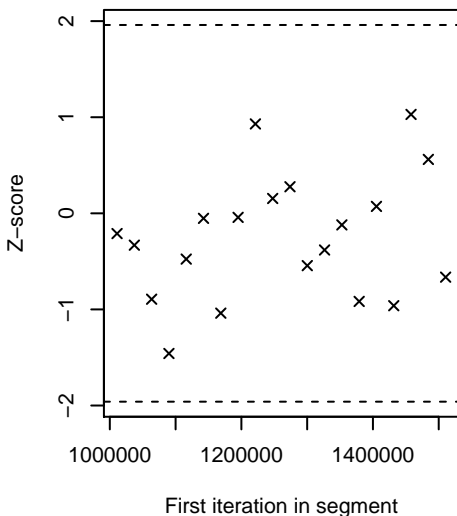
**p[31,2] (chain2)**



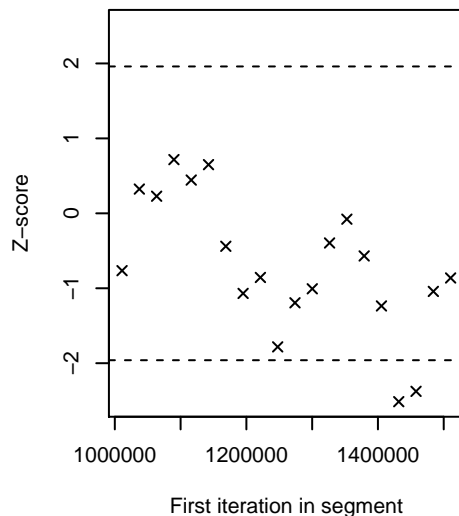
**p[32,2] (chain2)**



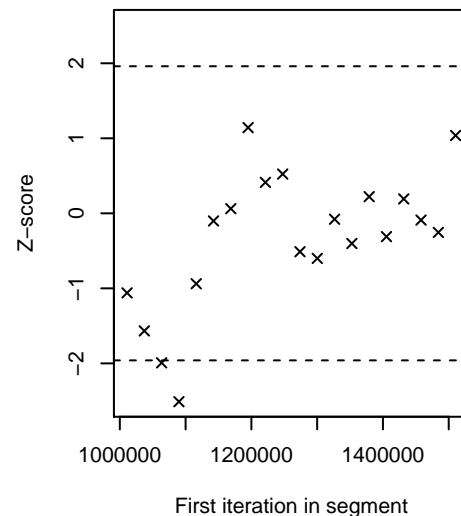
**p[33,2] (chain2)**



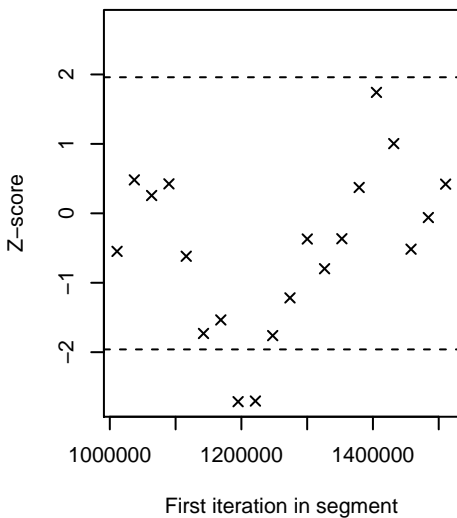
**p[34,2] (chain2)**



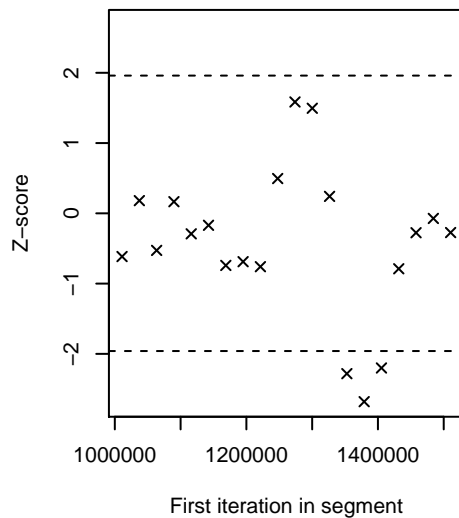
**p[35,2] (chain2)**



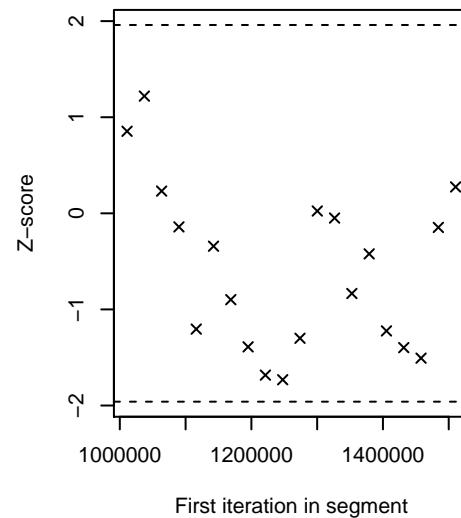
**p[36,2] (chain2)**



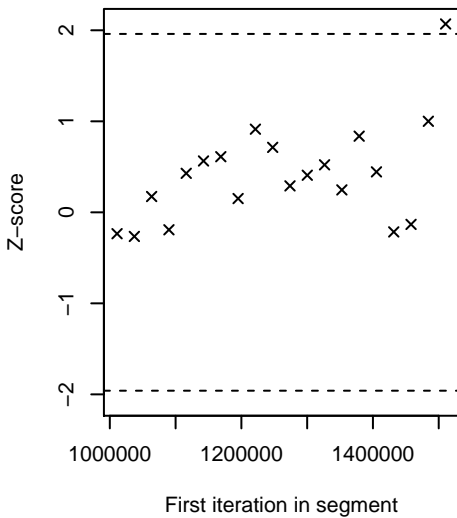
**p[37,2] (chain2)**



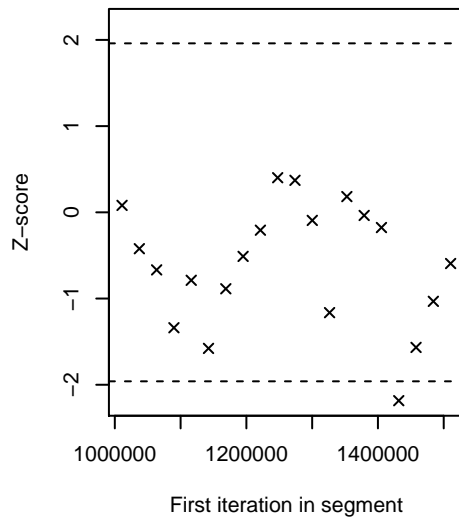
**p[38,2] (chain2)**



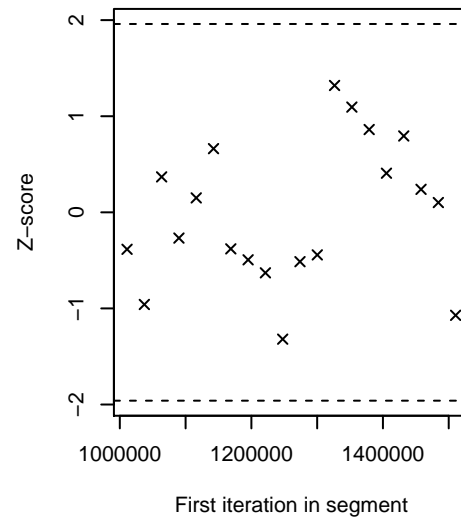
**p[39,2] (chain2)**



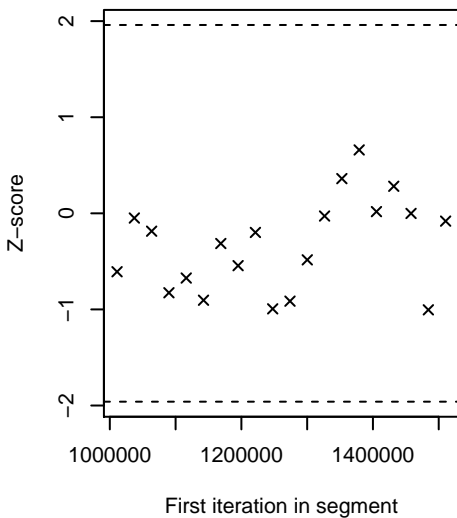
**p[1,3] (chain2)**



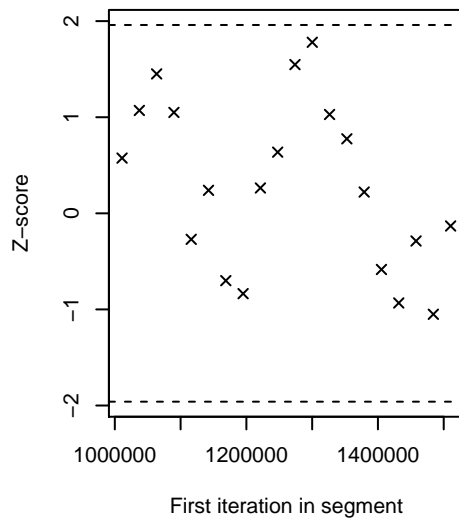
**p[2,3] (chain2)**



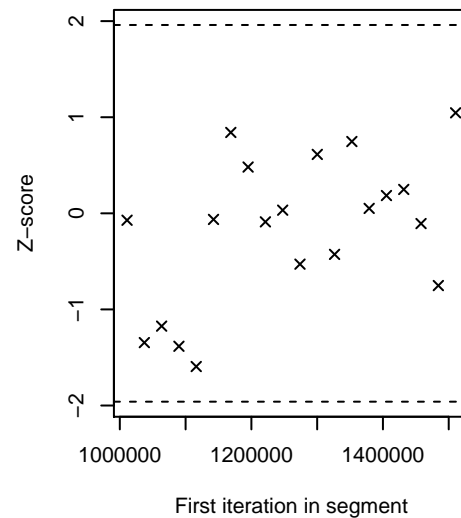
**p[3,3] (chain2)**



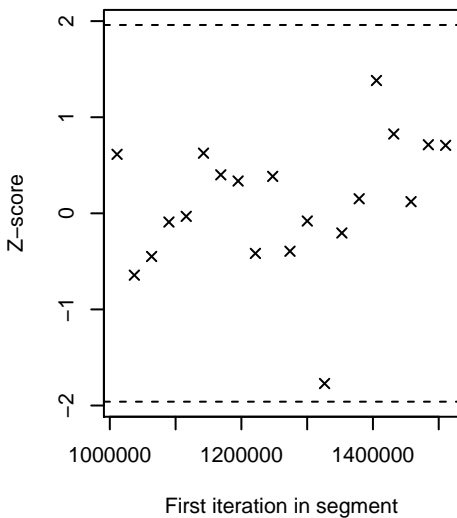
**p[4,3] (chain2)**



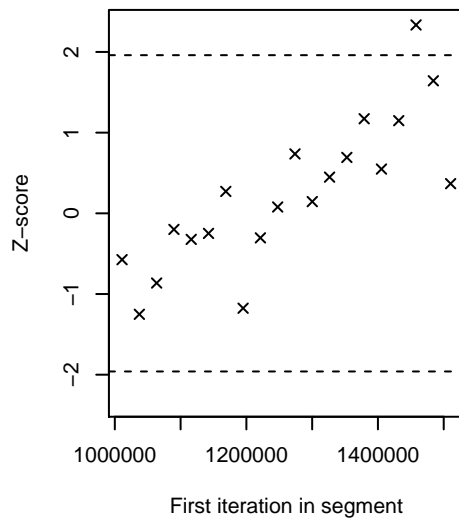
**p[5,3] (chain2)**



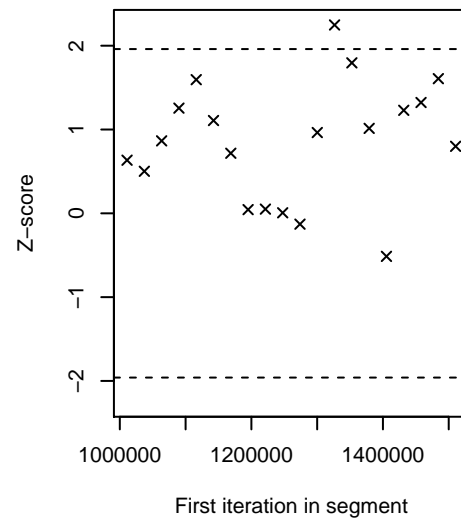
**p[6,3] (chain2)**



**p[7,3] (chain2)**

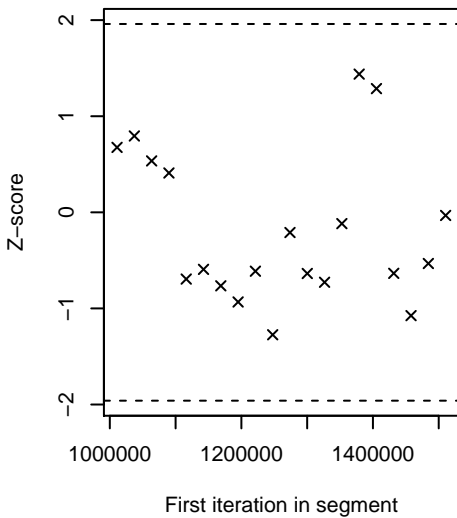


**p[8,3] (chain2)**

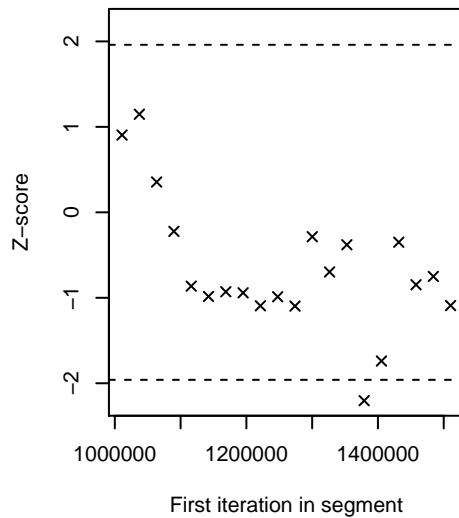




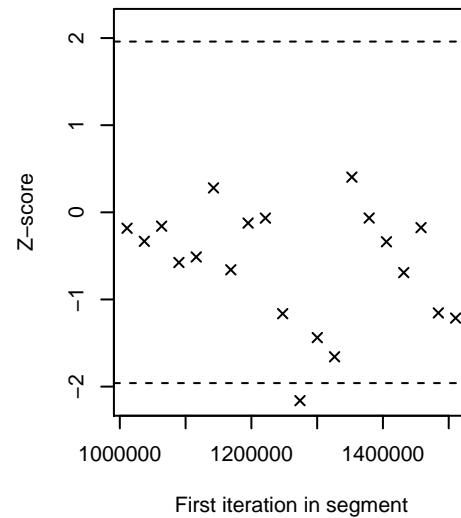
**p[9,3] (chain2)**



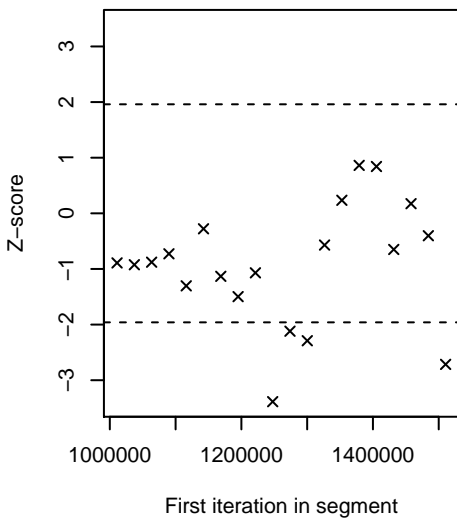
**p[10,3] (chain2)**



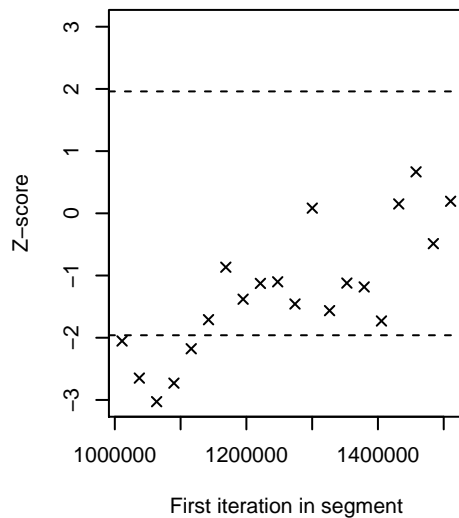
**p[11,3] (chain2)**



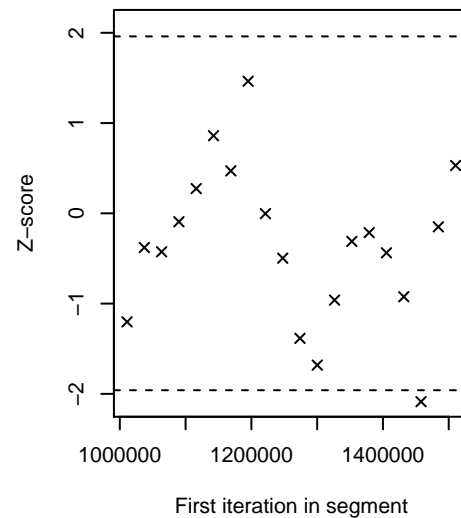
**p[12,3] (chain2)**



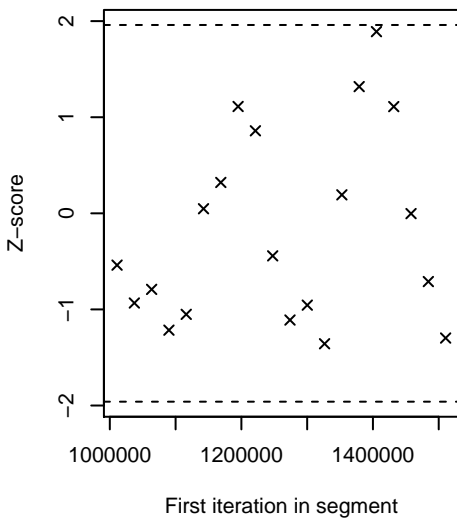
**p[13,3] (chain2)**



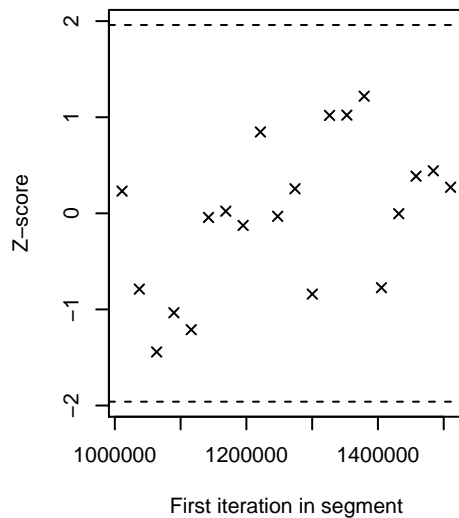
**p[14,3] (chain2)**



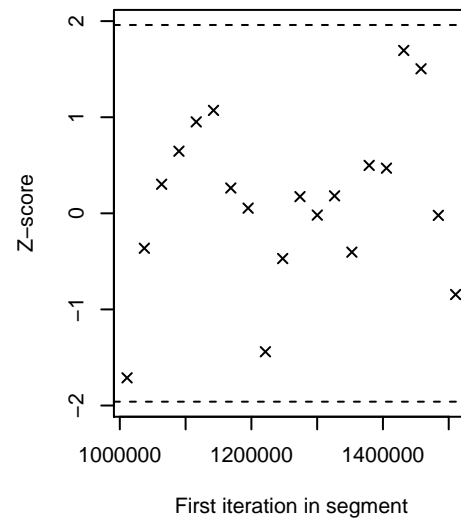
**p[15,3] (chain2)**



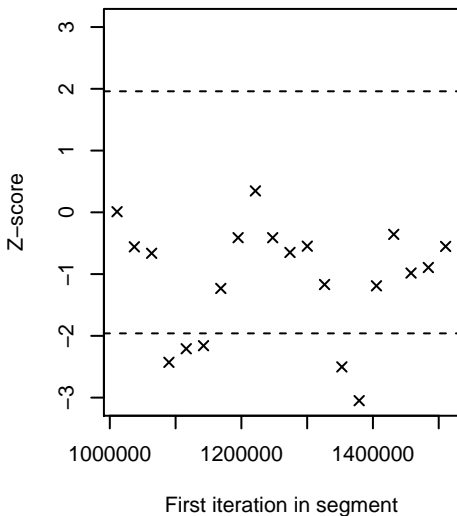
**p[16,3] (chain2)**



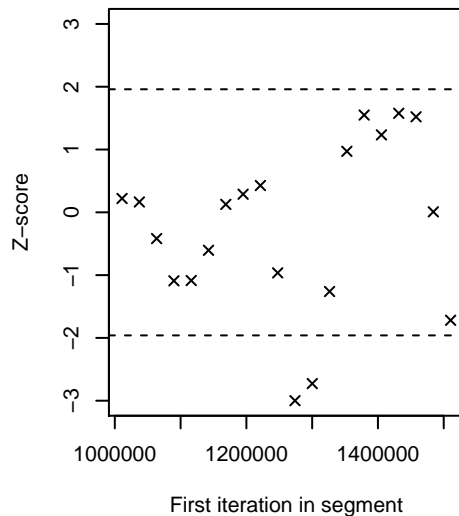
**p[17,3] (chain2)**



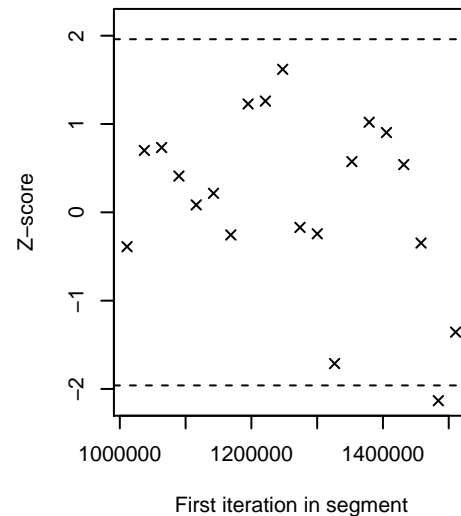
**p[18,3] (chain2)**



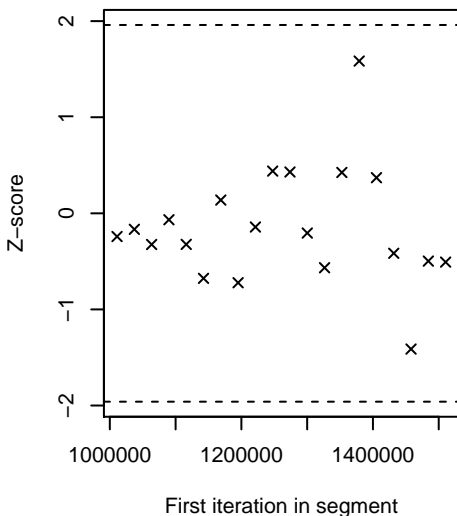
**p[19,3] (chain2)**



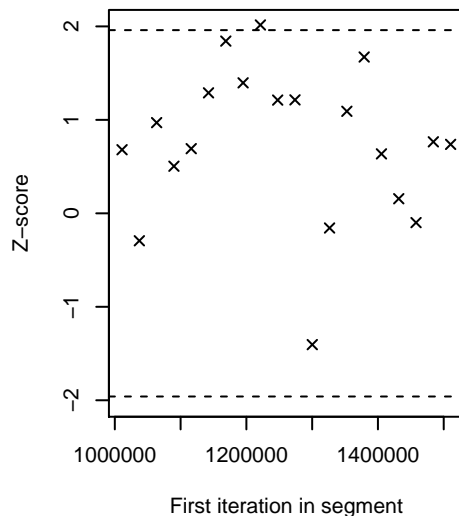
**p[20,3] (chain2)**



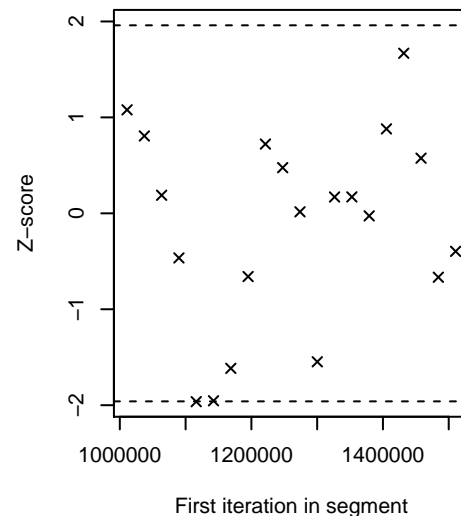
**p[21,3] (chain2)**



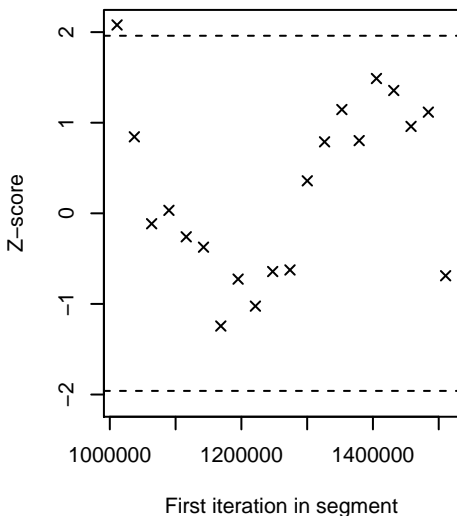
**p[22,3] (chain2)**



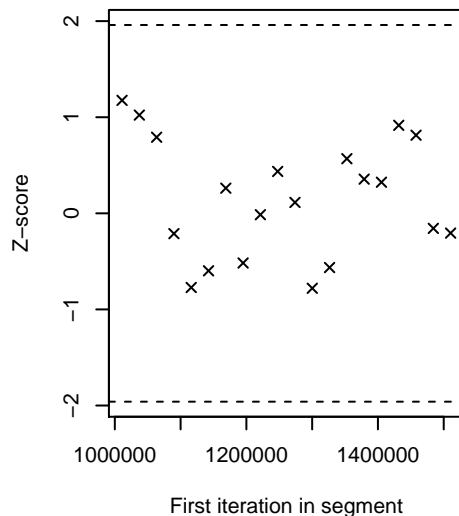
**p[23,3] (chain2)**



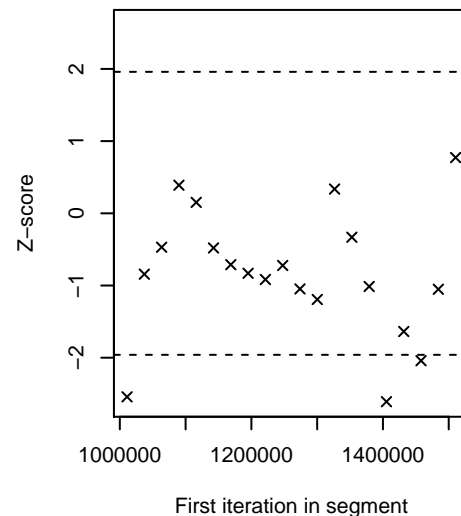
**p[24,3] (chain2)**



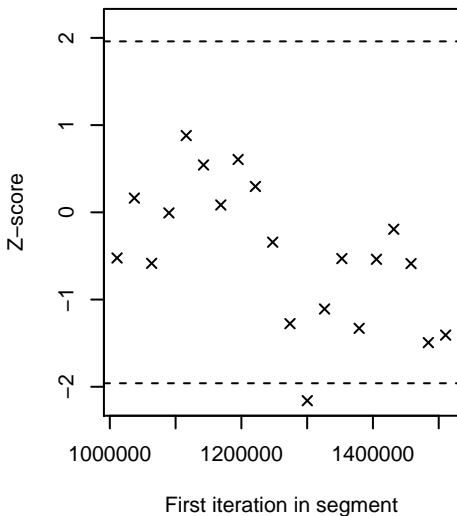
**p[25,3] (chain2)**



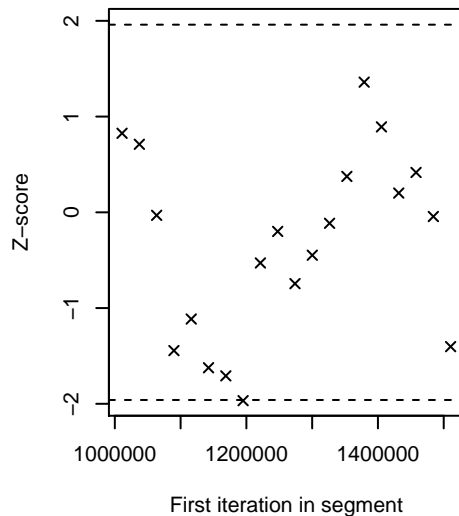
**p[26,3] (chain2)**



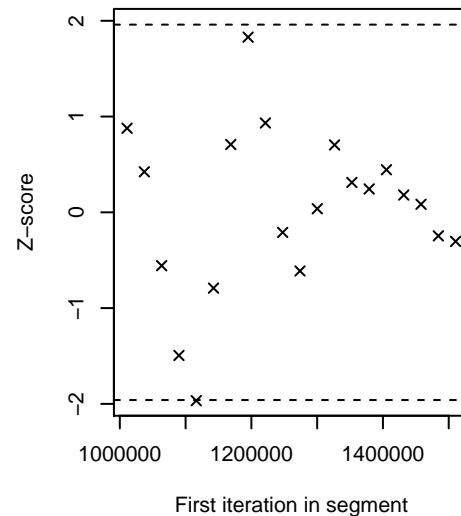
**p[27,3] (chain2)**



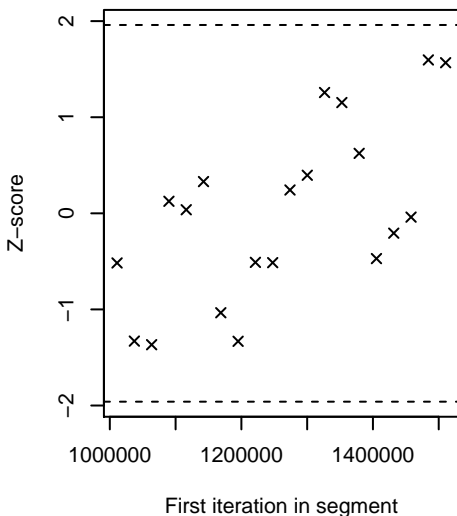
**p[28,3] (chain2)**



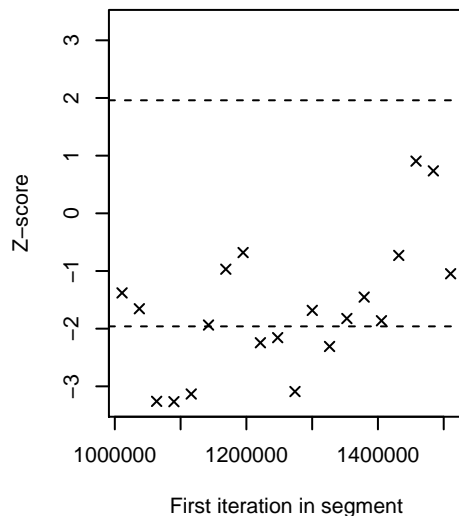
**p[29,3] (chain2)**



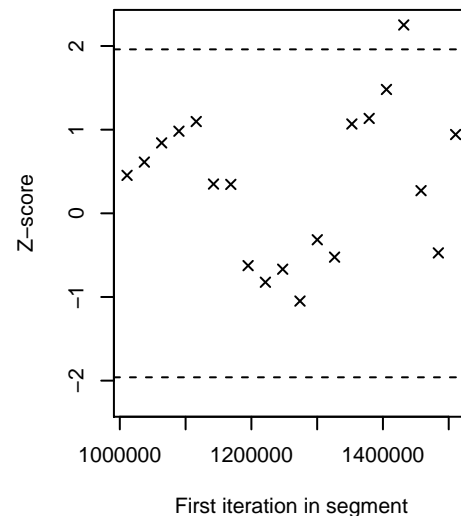
**p[30,3] (chain2)**



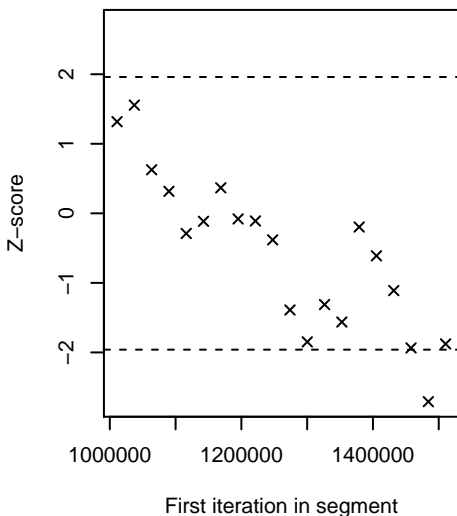
**p[31,3] (chain2)**



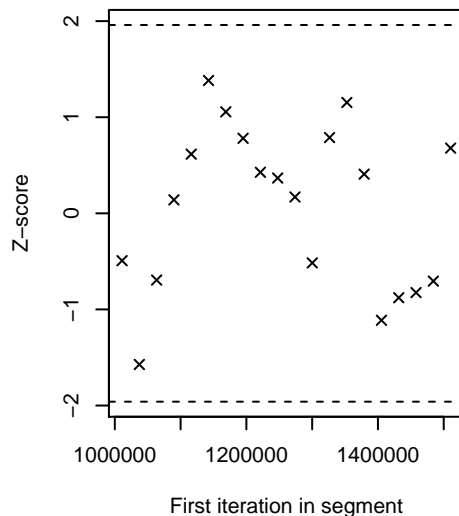
**p[32,3] (chain2)**



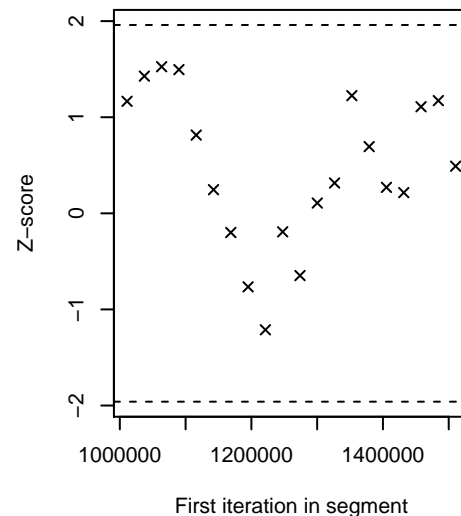
**p[33,3] (chain2)**



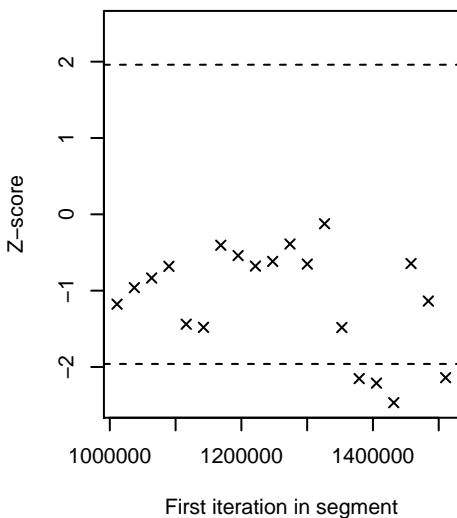
**p[34,3] (chain2)**



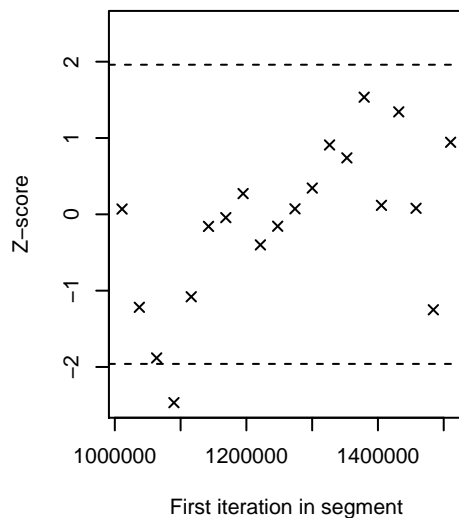
**p[35,3] (chain2)**



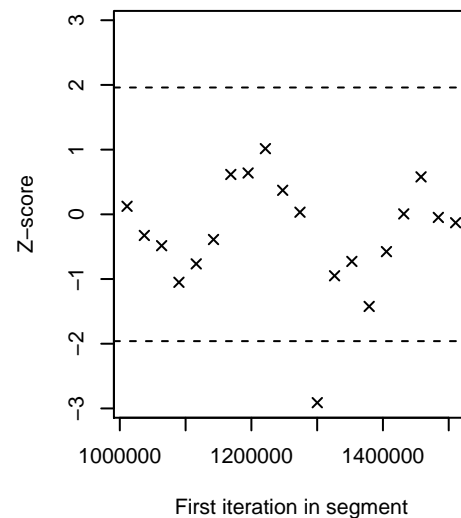
**p[36,3] (chain2)**



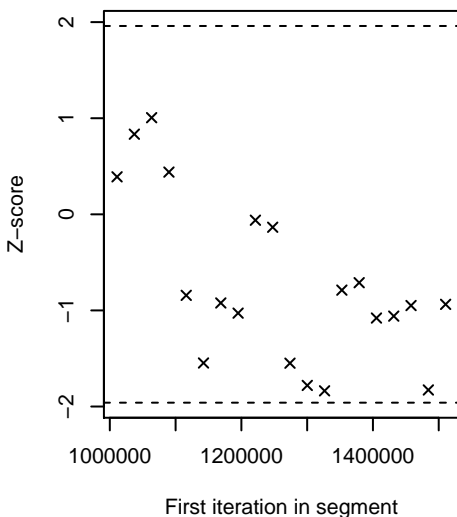
**p[37,3] (chain2)**



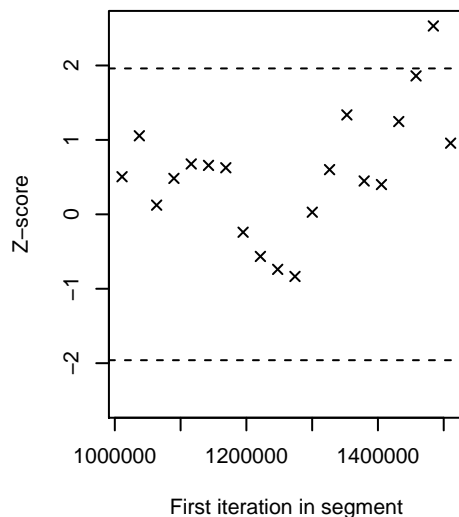
**p[38,3] (chain2)**



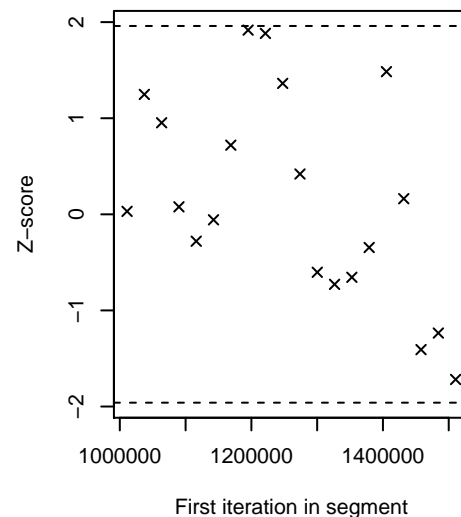
**p[39,3] (chain2)**



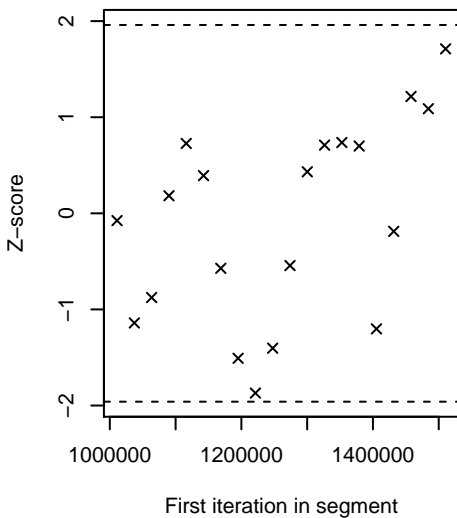
**phi (chain2)**



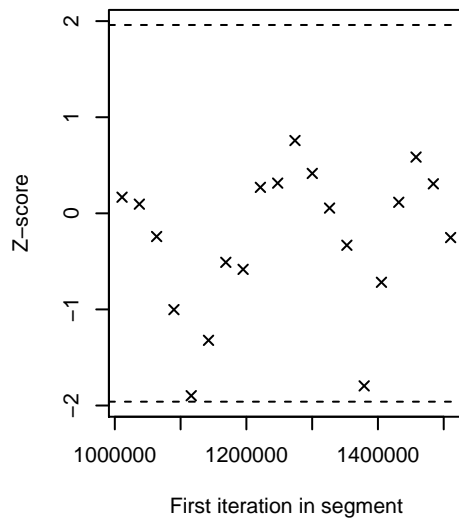
**pi[1] (chain2)**



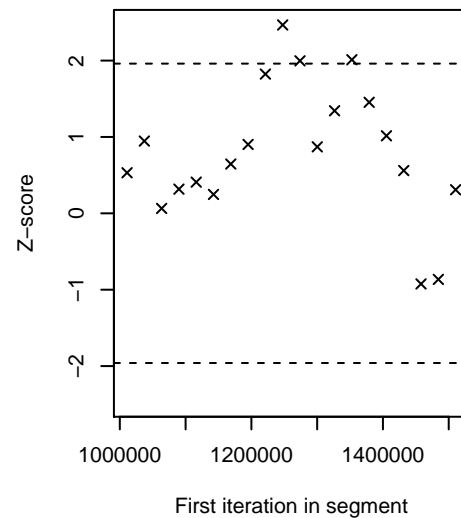
**pi[2] (chain2)**



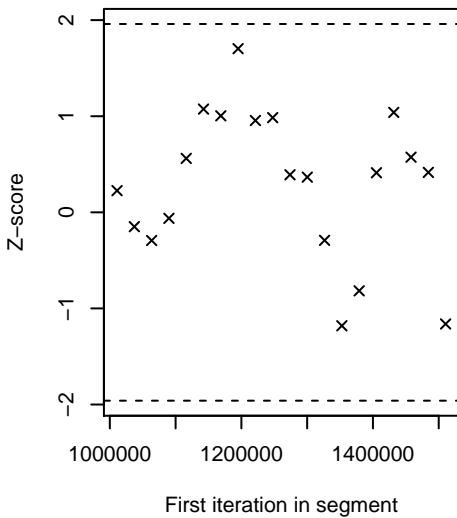
**pi[3] (chain2)**



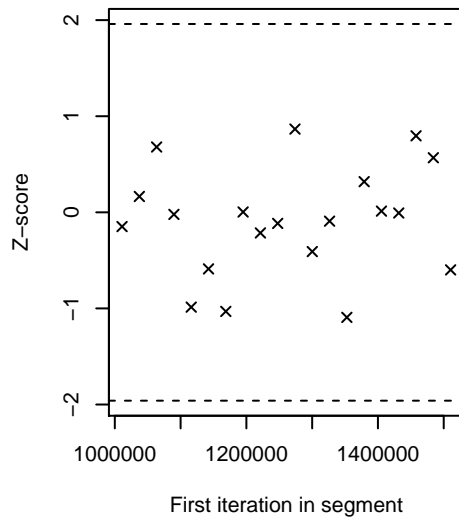
**q[1,1] (chain2)**



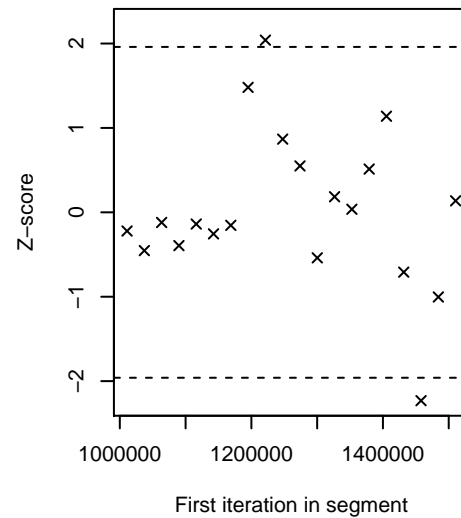
**q[2,1] (chain2)**



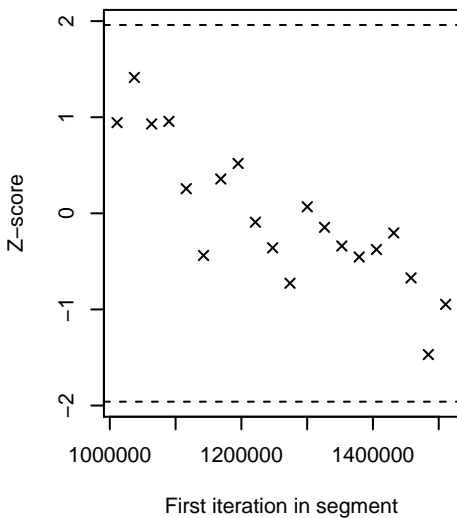
**q[3,1] (chain2)**



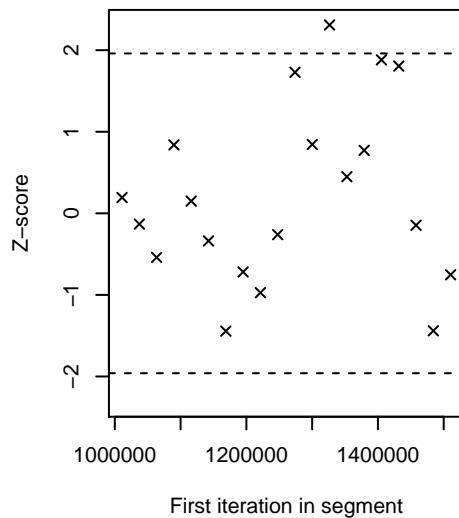
**q[4,1] (chain2)**



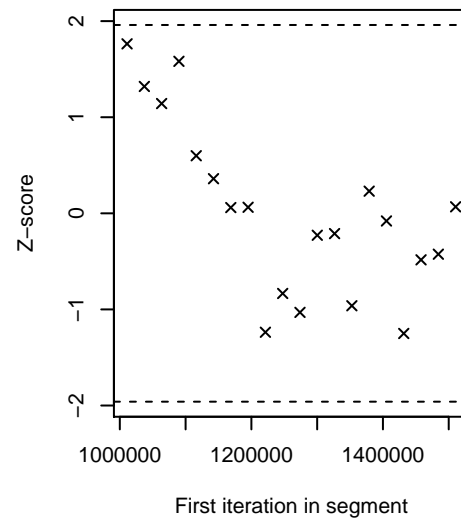
**q[5,1] (chain2)**



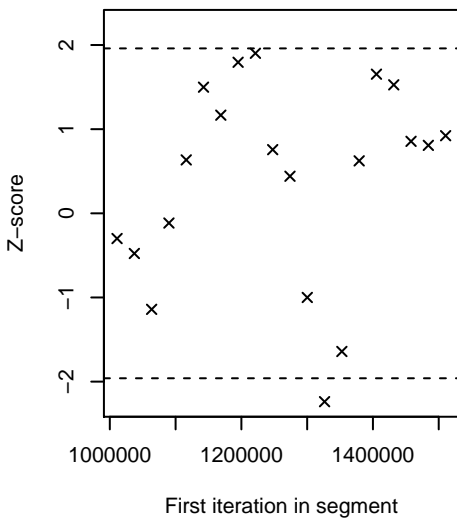
**q[6,1] (chain2)**



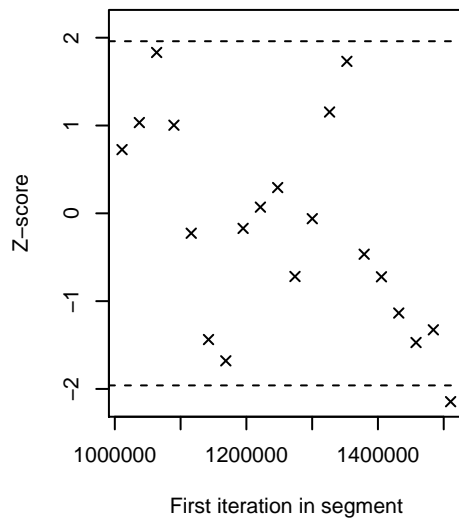
**q[7,1] (chain2)**



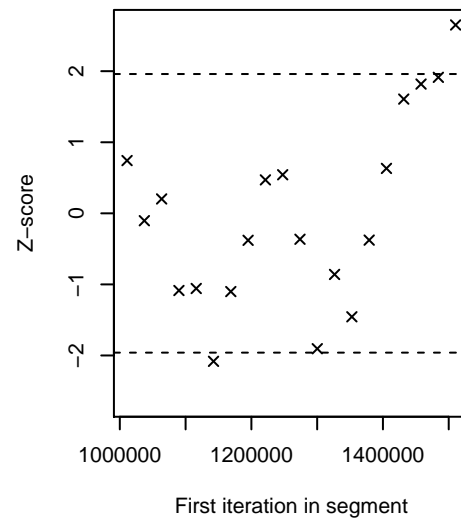
**q[8,1] (chain2)**



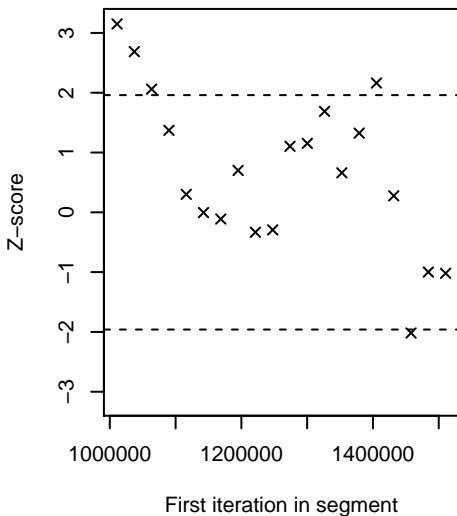
**q[9,1] (chain2)**



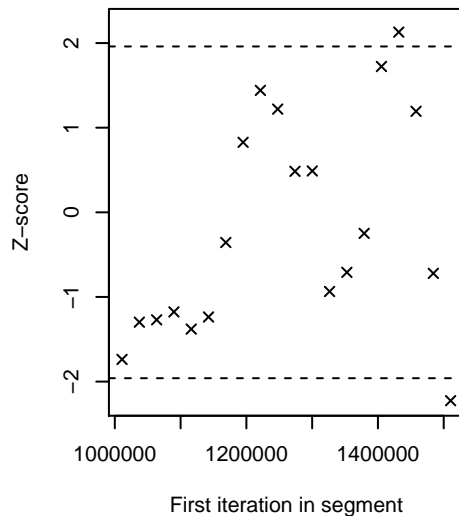
**q[10,1] (chain2)**



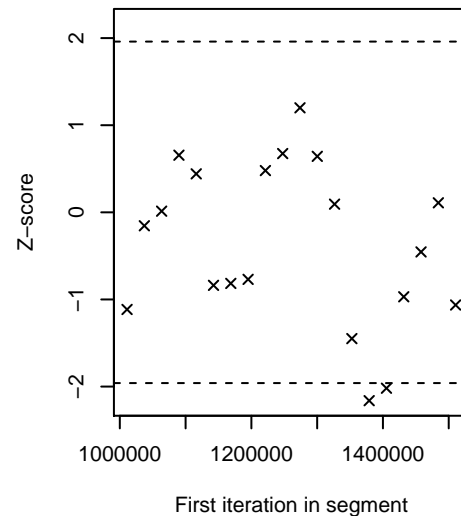
**q[11,1] (chain2)**



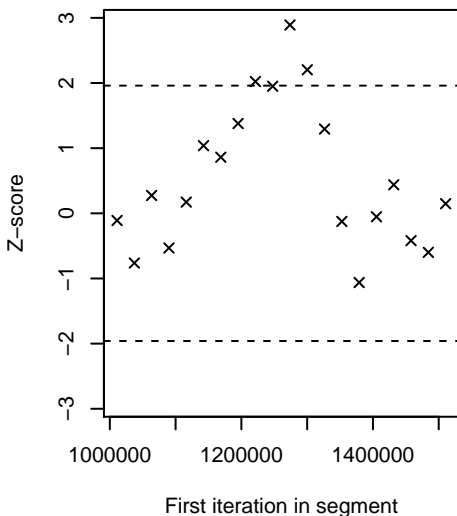
**q[12,1] (chain2)**



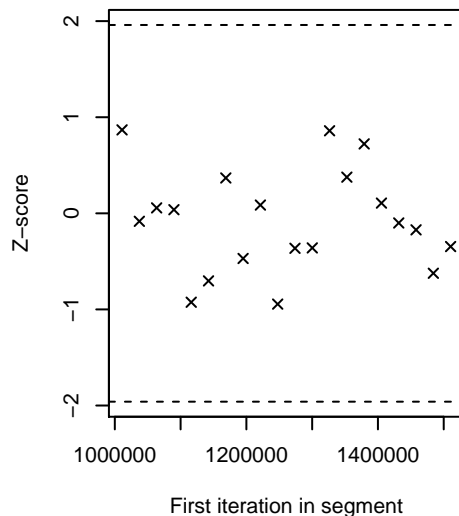
**q[13,1] (chain2)**



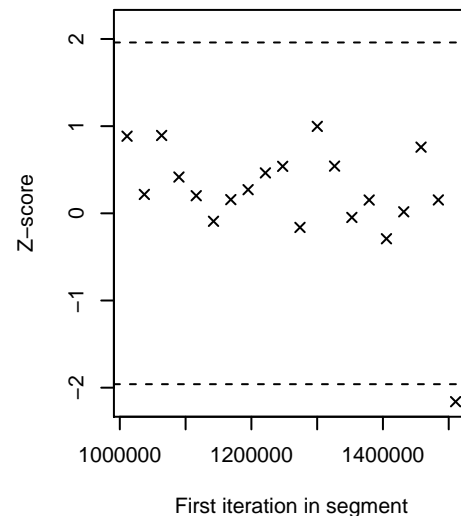
**q[14,1] (chain2)**



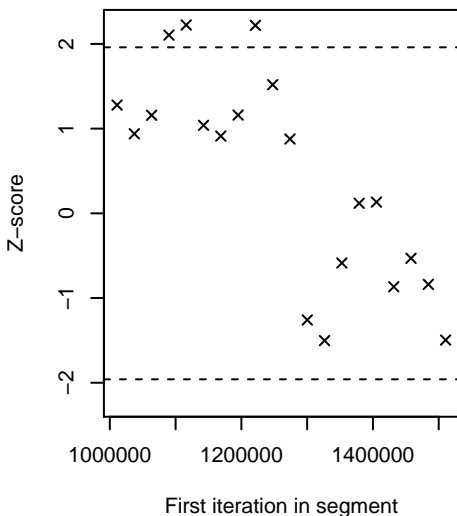
**q[15,1] (chain2)**



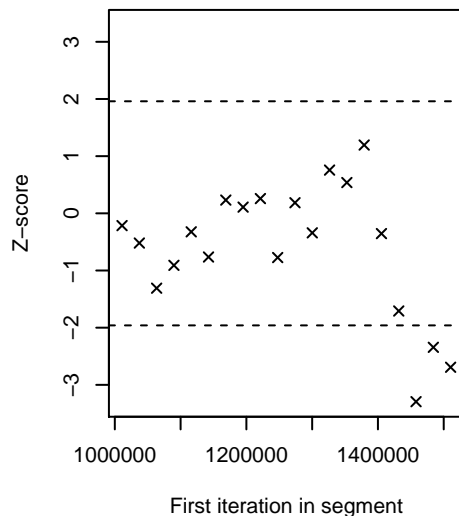
**q[16,1] (chain2)**



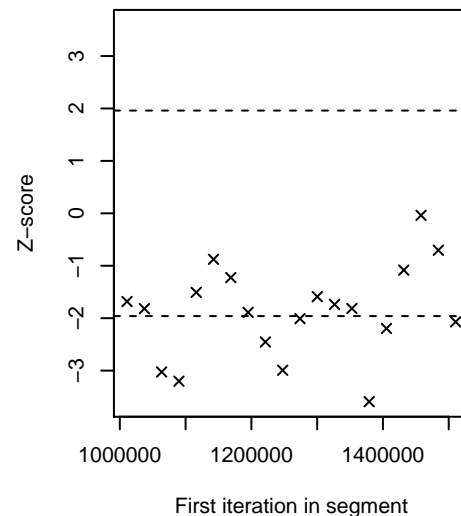
**q[17,1] (chain2)**



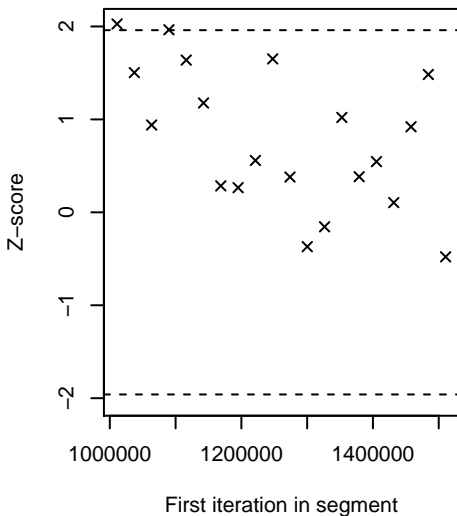
**q[18,1] (chain2)**



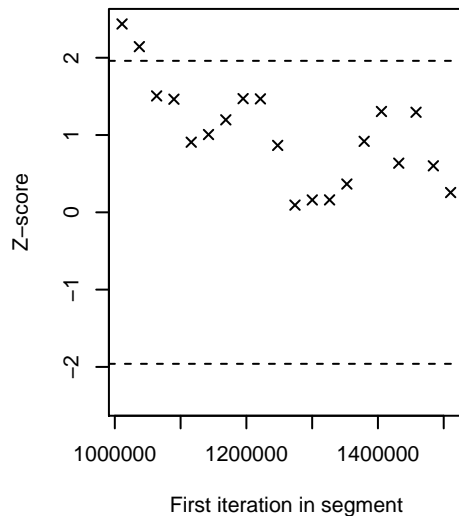
**q[19,1] (chain2)**



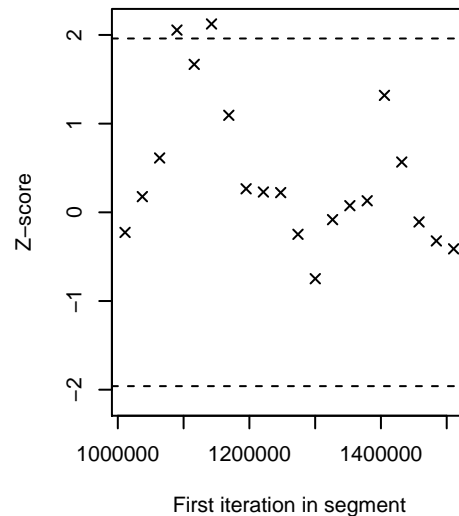
**q[20,1] (chain2)**



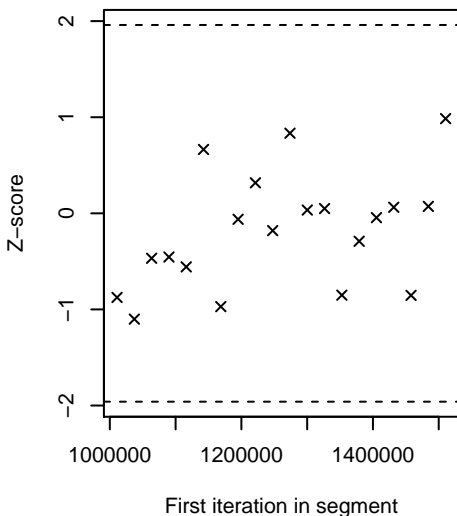
**q[21,1] (chain2)**



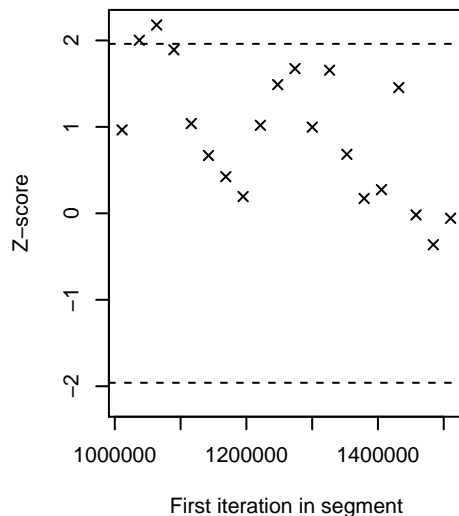
**q[22,1] (chain2)**



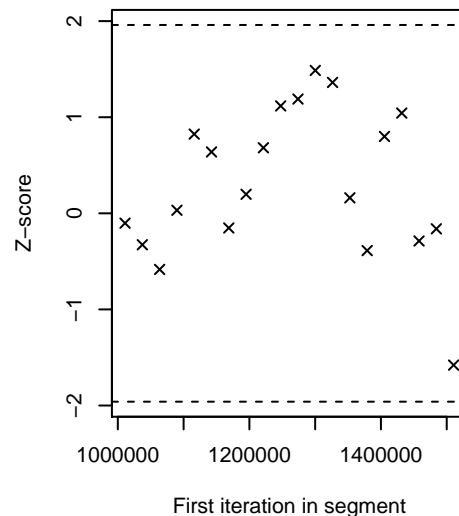
**q[23,1] (chain2)**



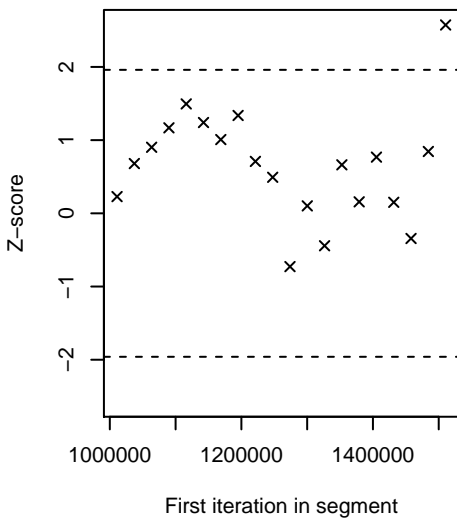
**q[24,1] (chain2)**



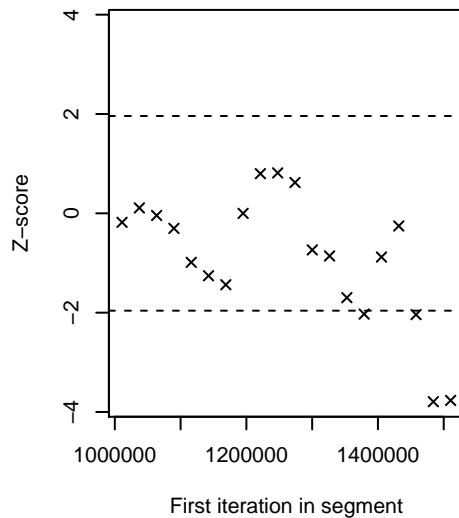
**q[25,1] (chain2)**



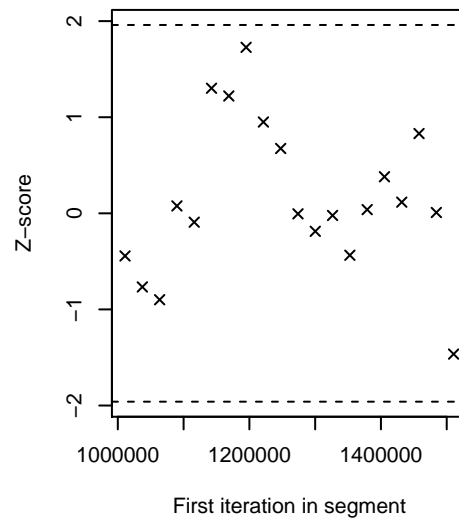
**q[26,1] (chain2)**



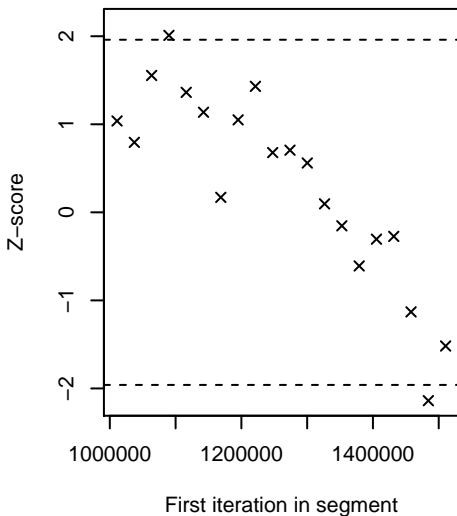
**q[27,1] (chain2)**



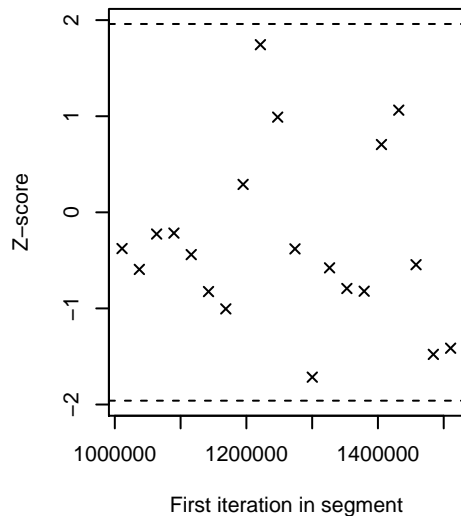
**q[28,1] (chain2)**



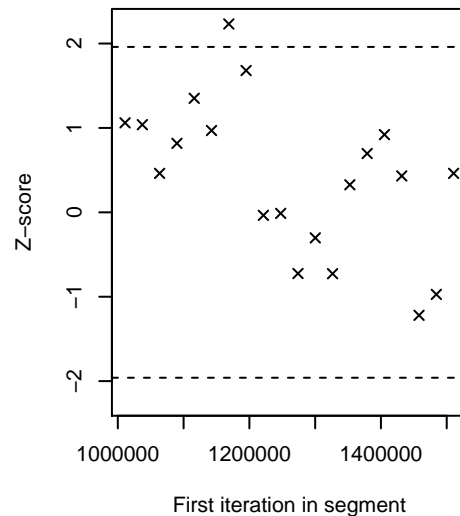
**q[29,1] (chain2)**



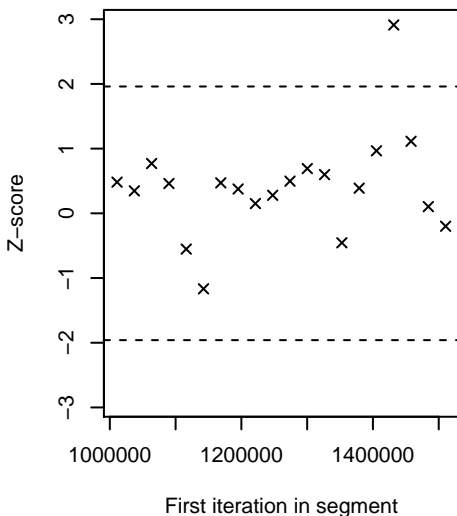
**q[30,1] (chain2)**



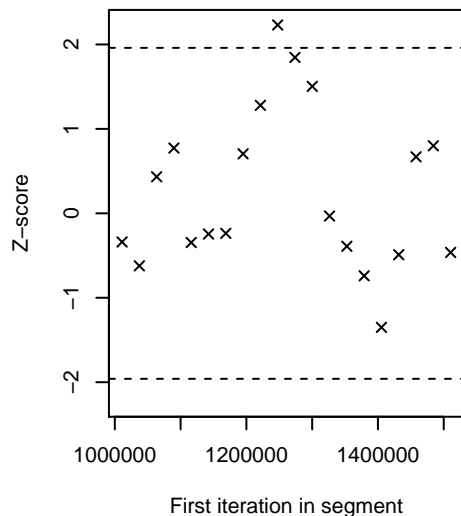
**q[31,1] (chain2)**



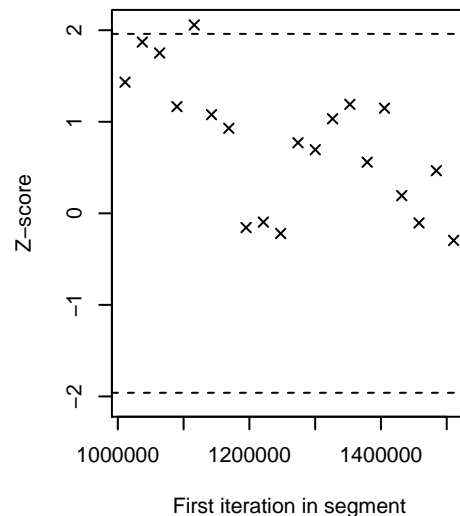
**q[32,1] (chain2)**



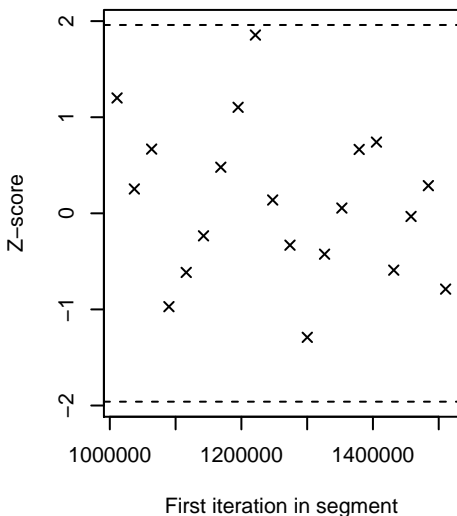
**q[33,1] (chain2)**



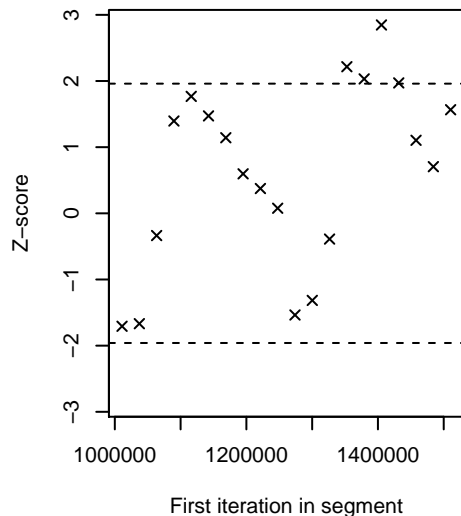
**q[34,1] (chain2)**



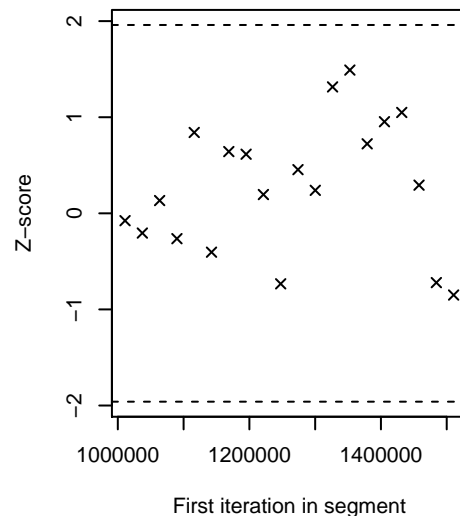
**q[35,1] (chain2)**



**q[36,1] (chain2)**

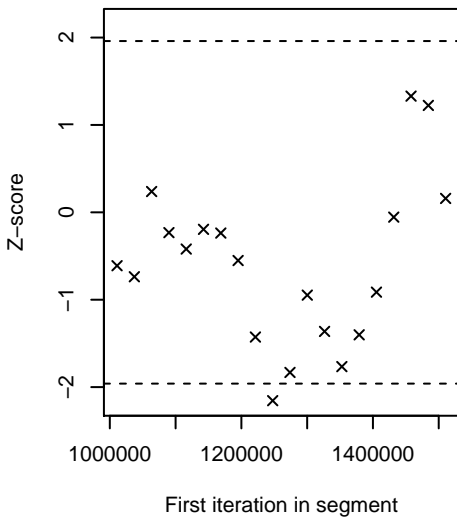


**q[37,1] (chain2)**

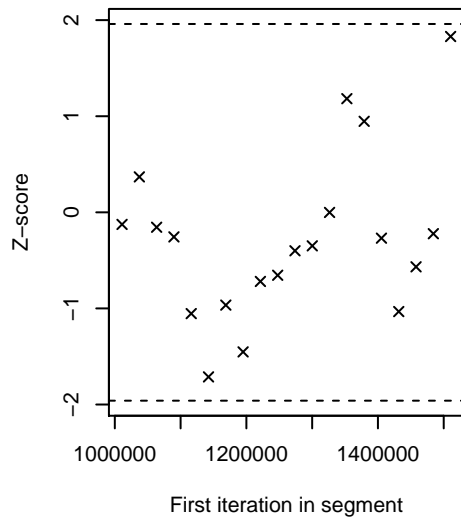




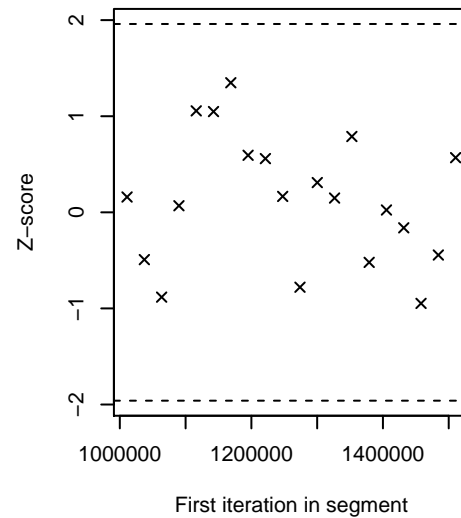
**q[1,2] (chain2)**



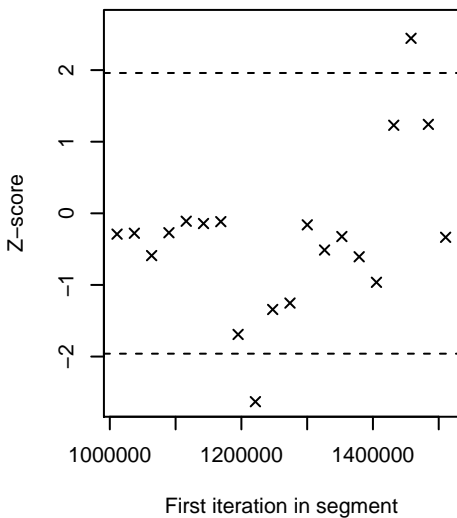
**q[2,2] (chain2)**



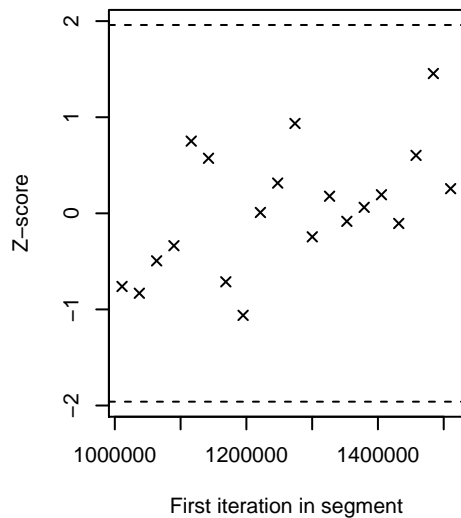
**q[3,2] (chain2)**



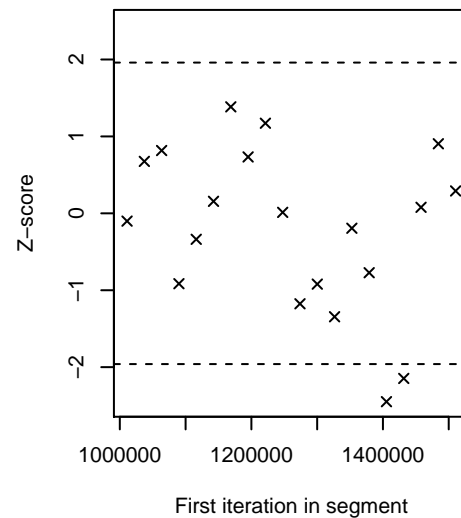
**q[4,2] (chain2)**



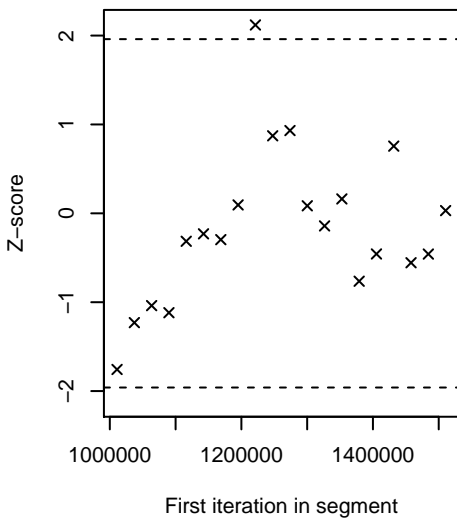
**q[5,2] (chain2)**



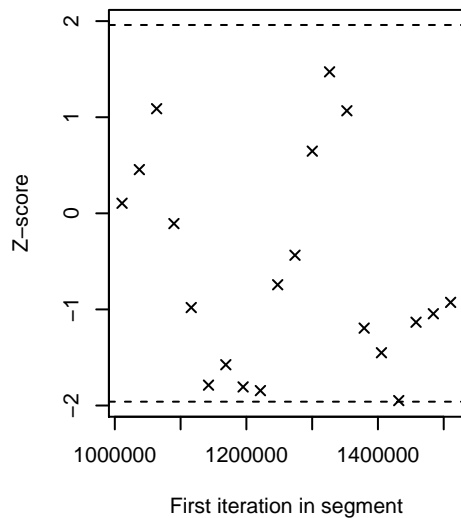
**q[6,2] (chain2)**



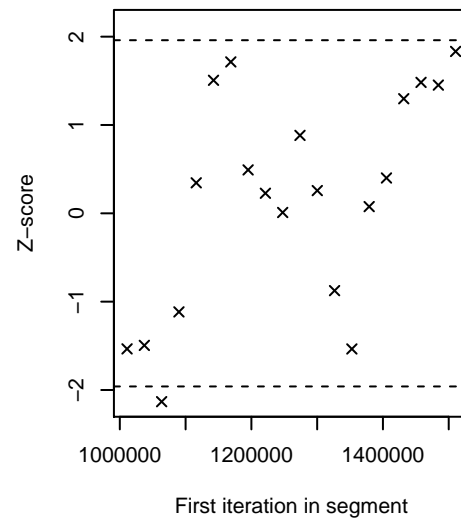
**q[7,2] (chain2)**

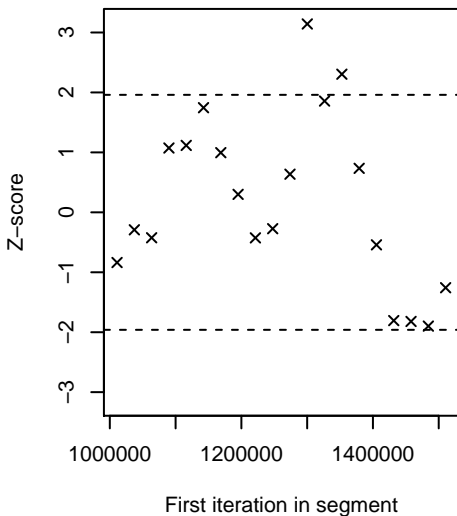
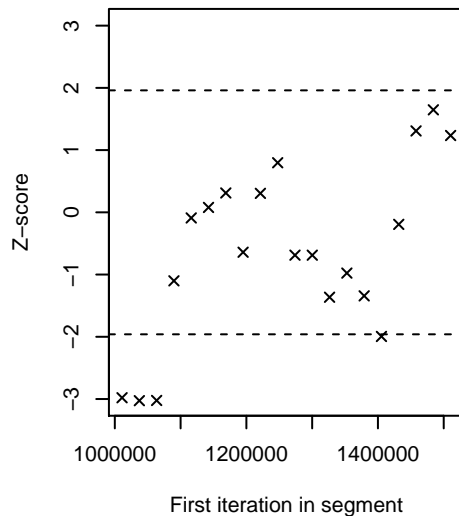
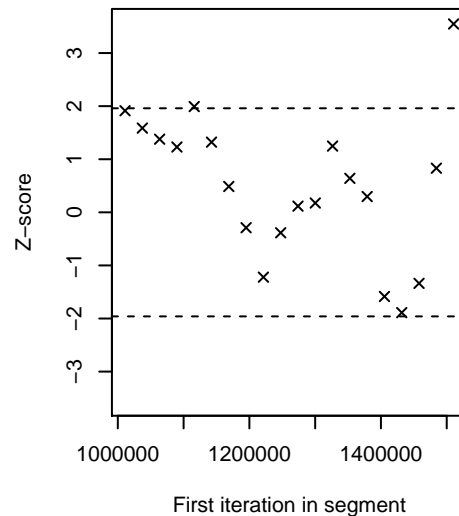
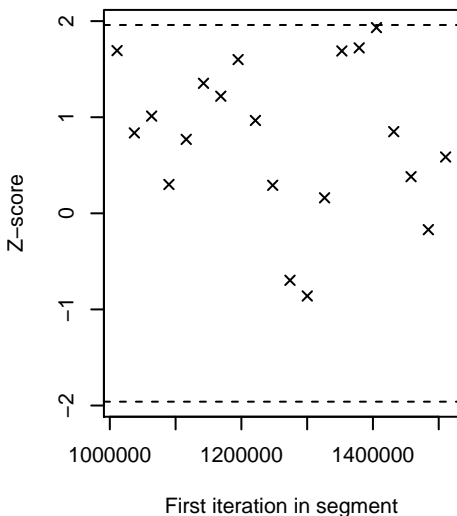
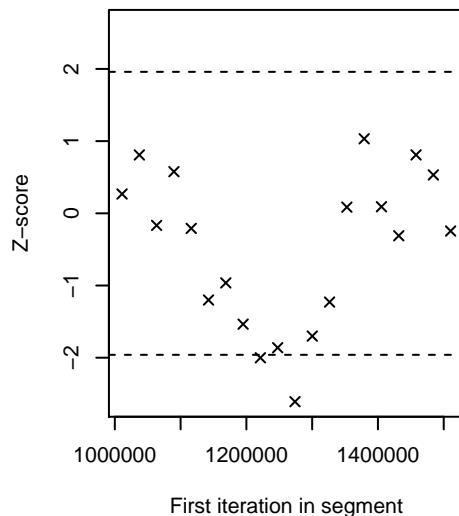
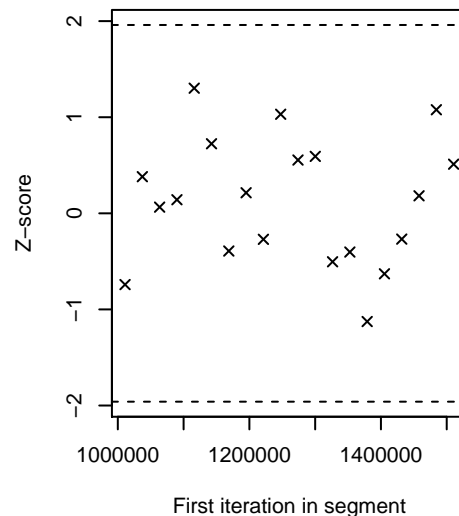
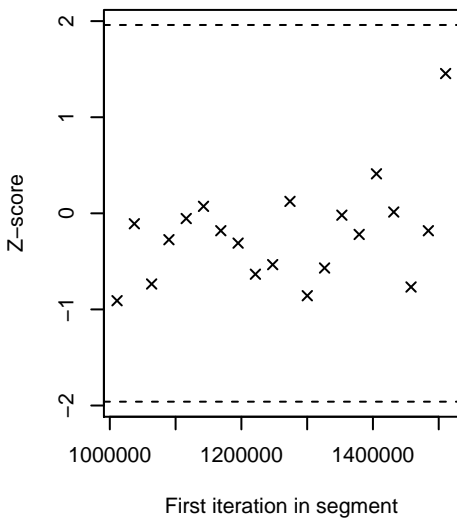
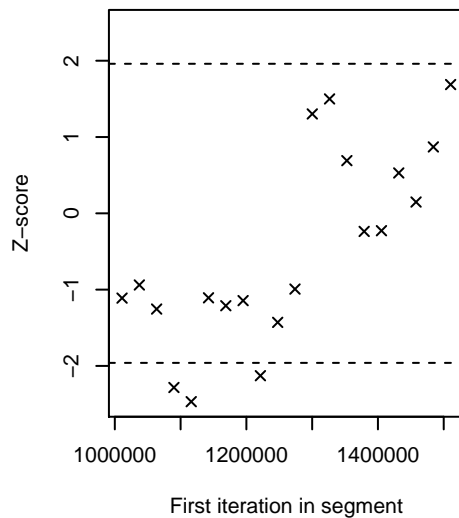
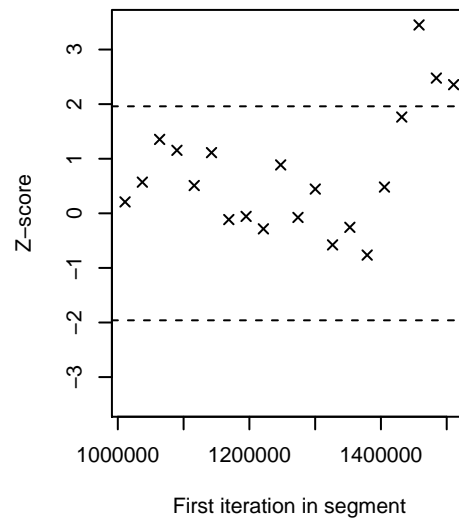


**q[8,2] (chain2)**

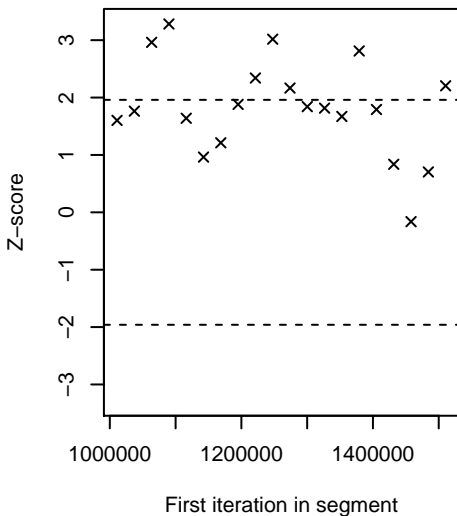


**q[9,2] (chain2)**

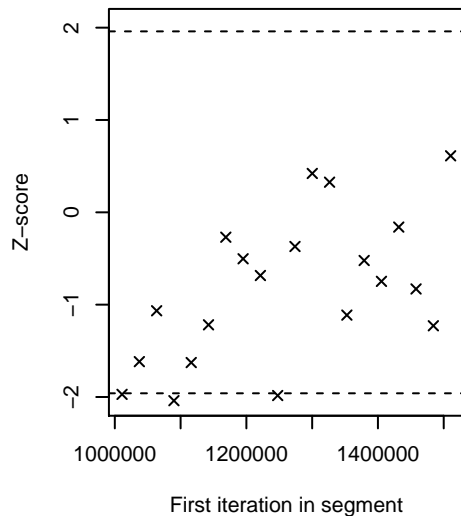


**q[10,2] (chain2)****q[11,2] (chain2)****q[12,2] (chain2)****q[13,2] (chain2)****q[14,2] (chain2)****q[15,2] (chain2)****q[16,2] (chain2)****q[17,2] (chain2)****q[18,2] (chain2)**

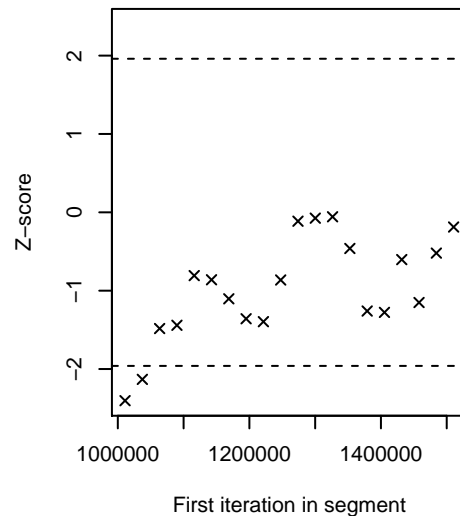
**q[19,2] (chain2)**



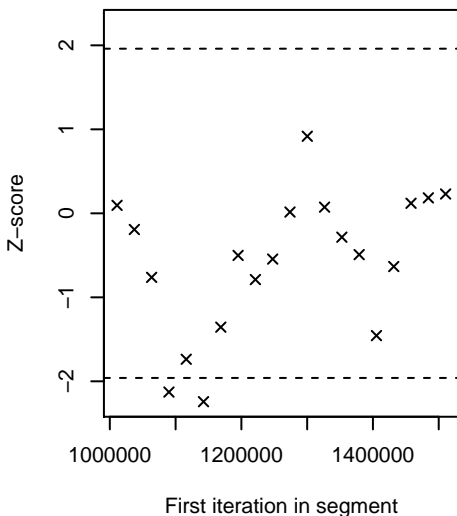
**q[20,2] (chain2)**



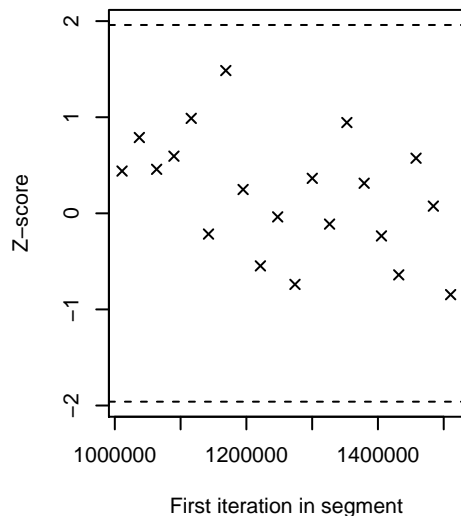
**q[21,2] (chain2)**



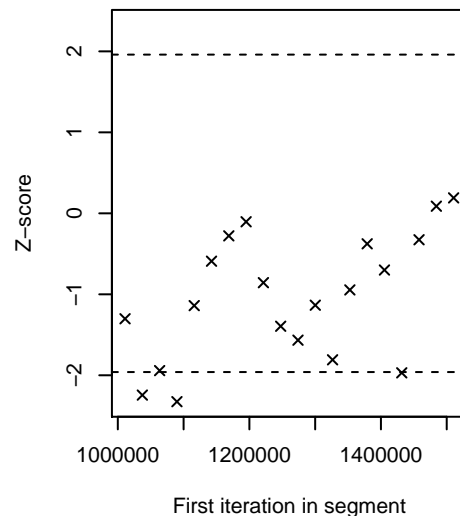
**q[22,2] (chain2)**



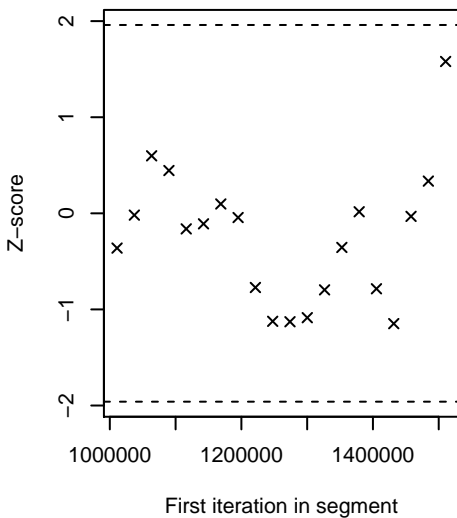
**q[23,2] (chain2)**



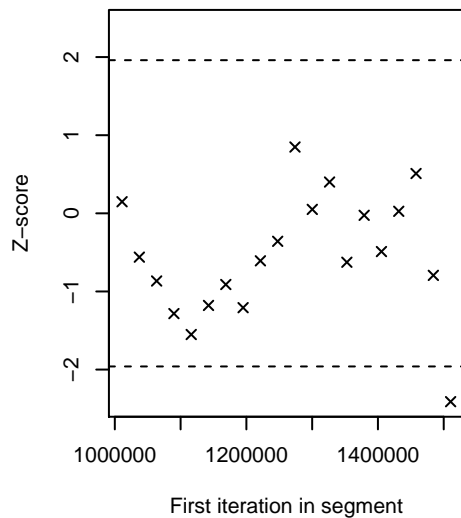
**q[24,2] (chain2)**



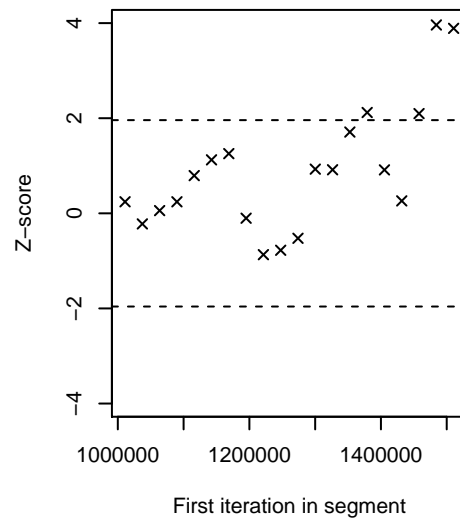
**q[25,2] (chain2)**



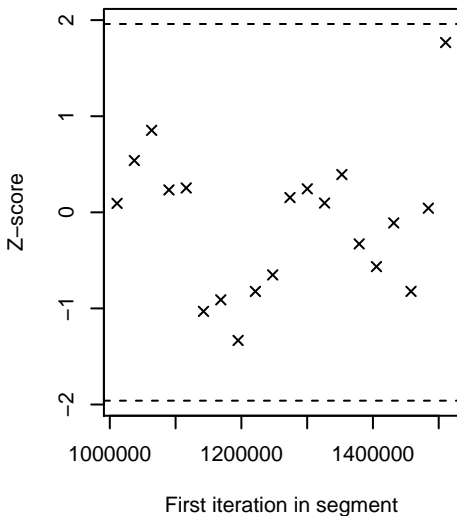
**q[26,2] (chain2)**



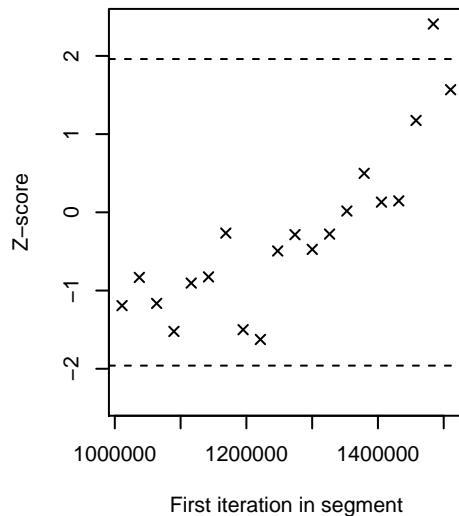
**q[27,2] (chain2)**



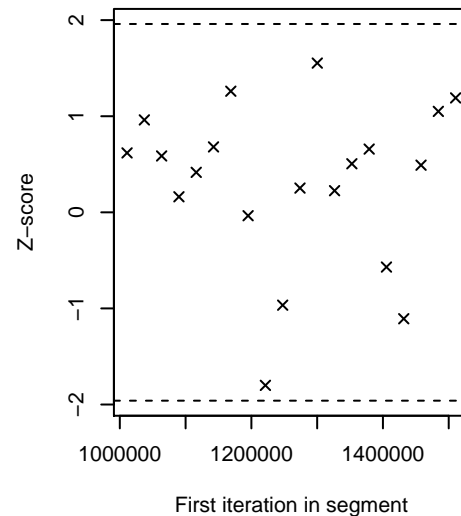
**q[28,2] (chain2)**



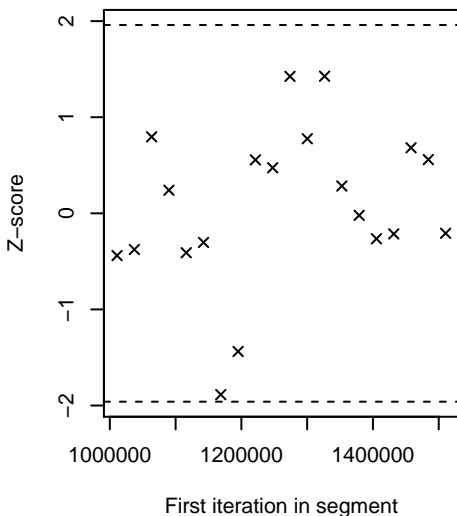
**q[29,2] (chain2)**



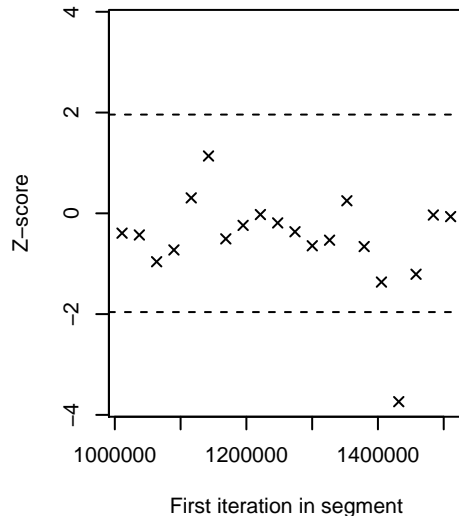
**q[30,2] (chain2)**



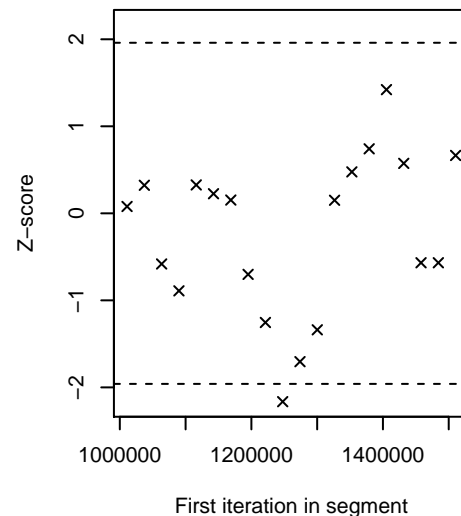
**q[31,2] (chain2)**



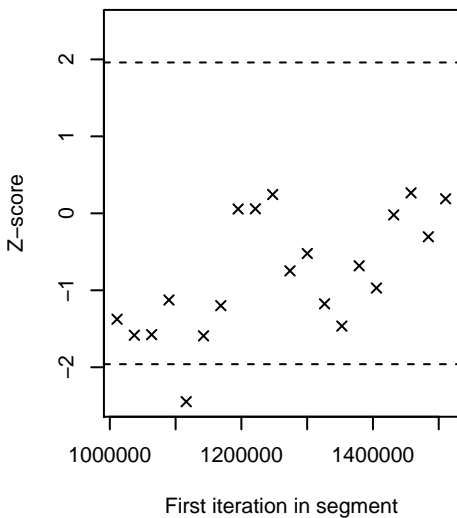
**q[32,2] (chain2)**



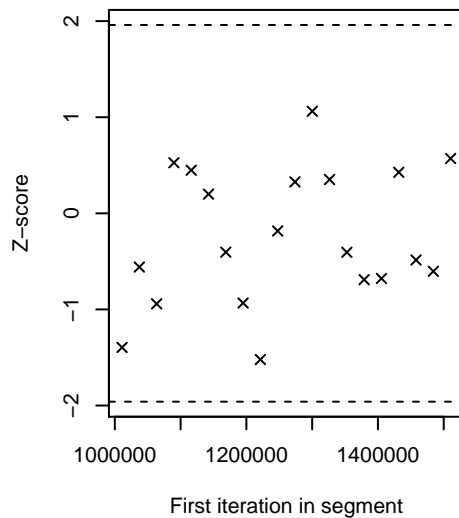
**q[33,2] (chain2)**



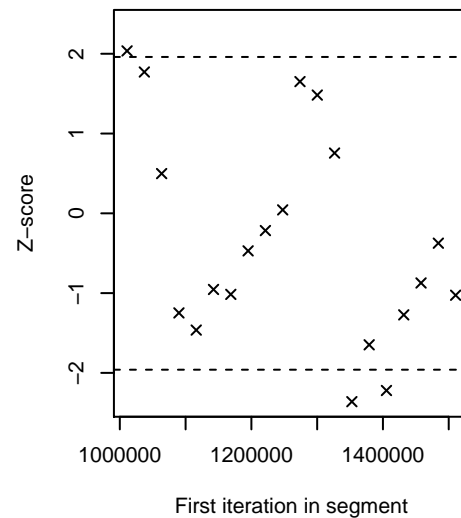
**q[34,2] (chain2)**



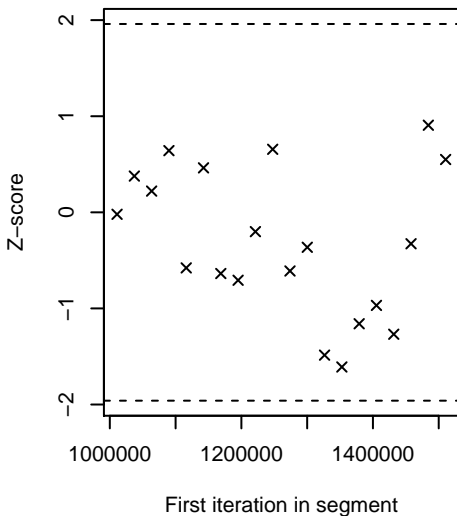
**q[35,2] (chain2)**



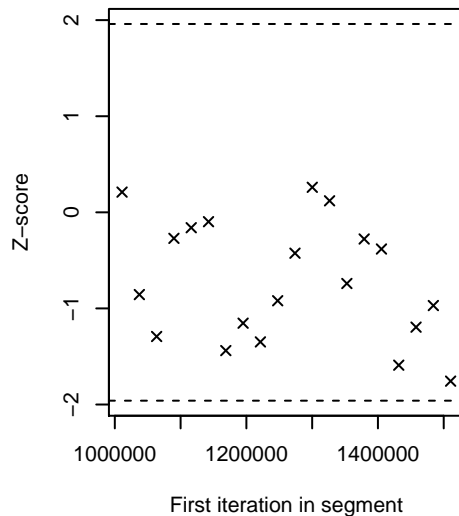
**q[36,2] (chain2)**



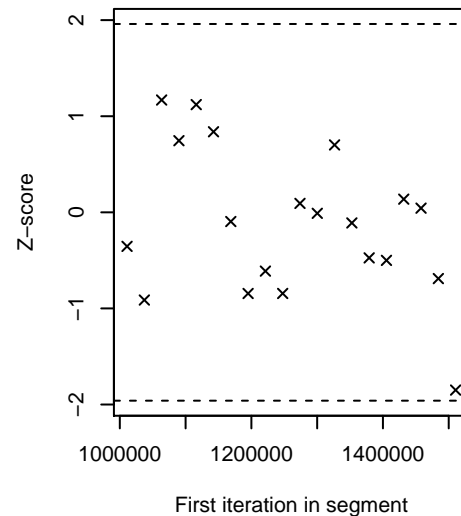
**q[37,2] (chain2)**



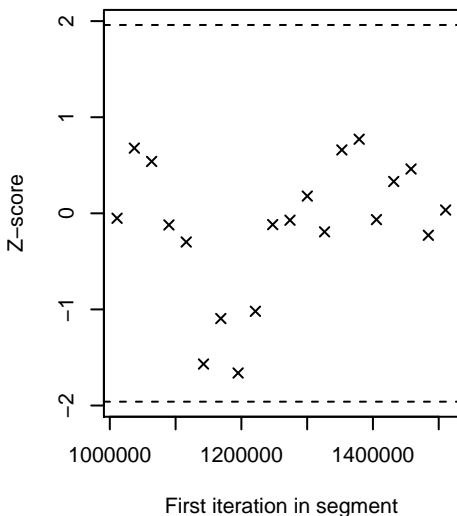
**q[1,3] (chain2)**



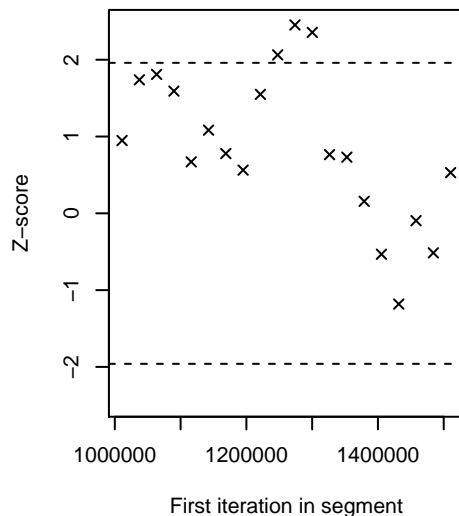
**q[2,3] (chain2)**



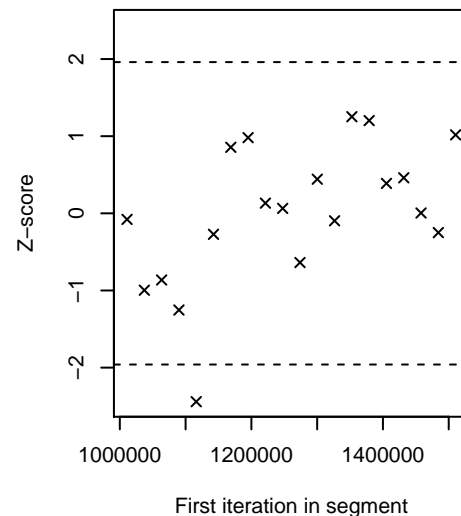
**q[3,3] (chain2)**



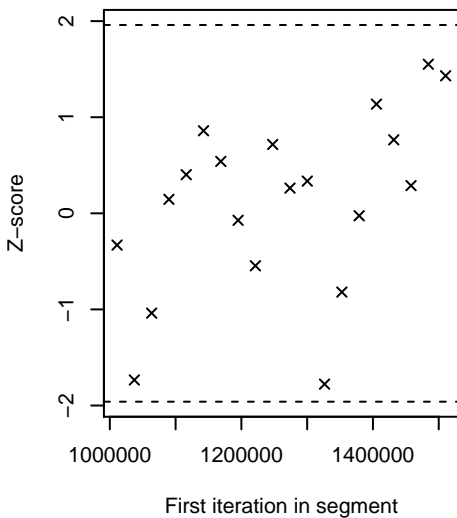
**q[4,3] (chain2)**



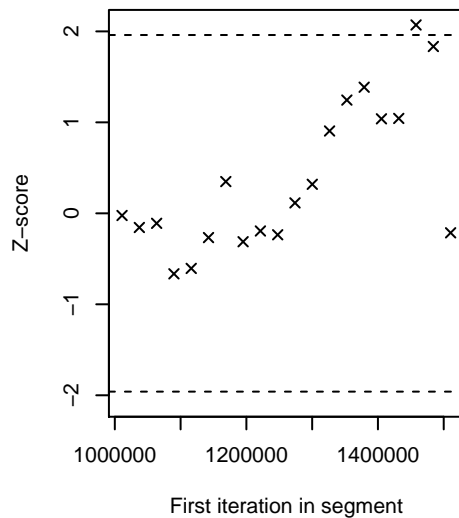
**q[5,3] (chain2)**



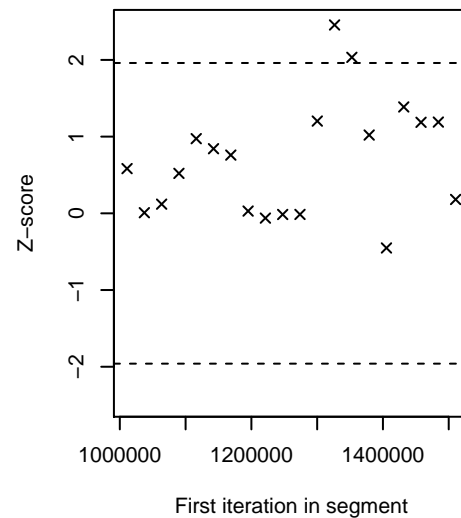
**q[6,3] (chain2)**

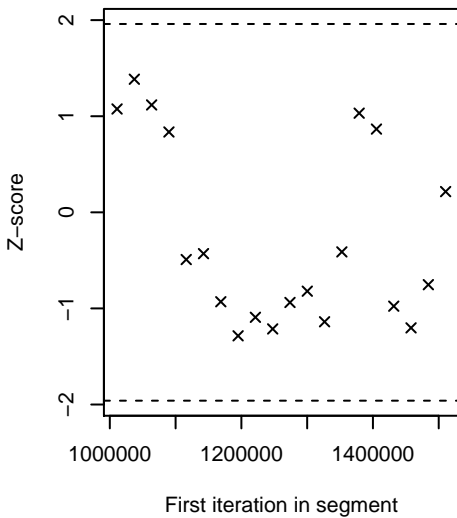
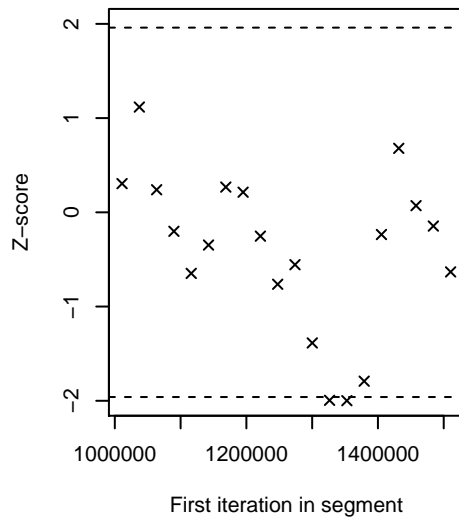
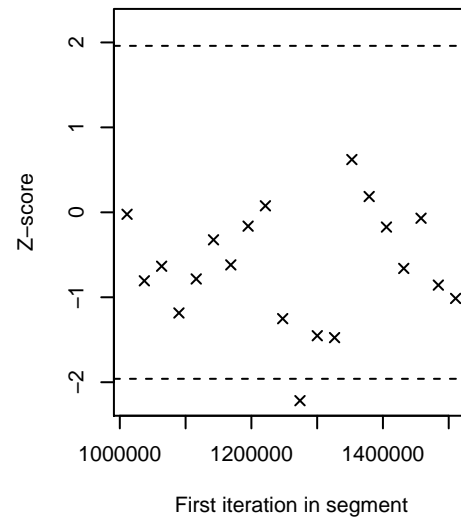
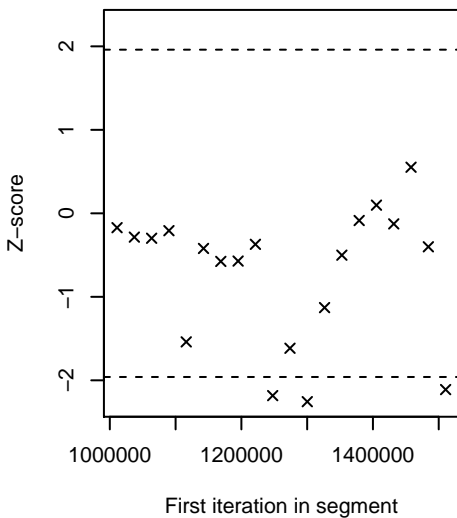
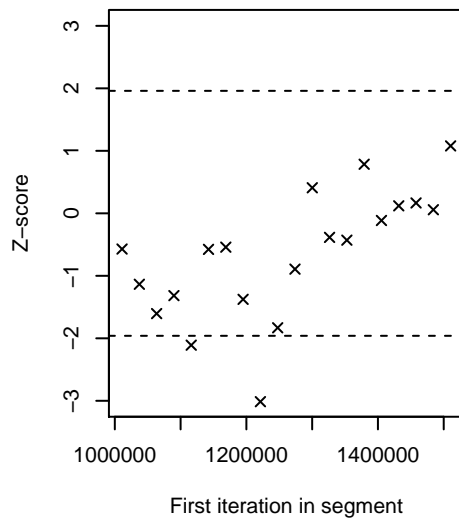
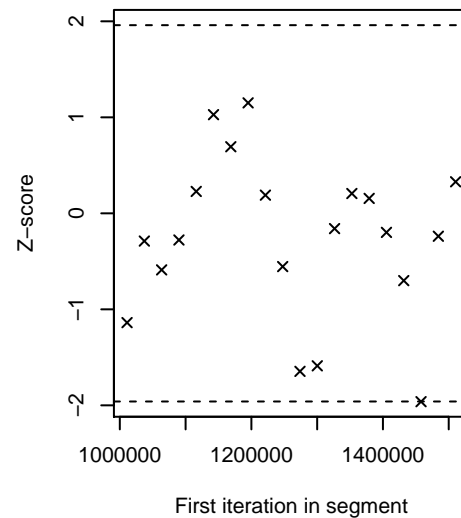
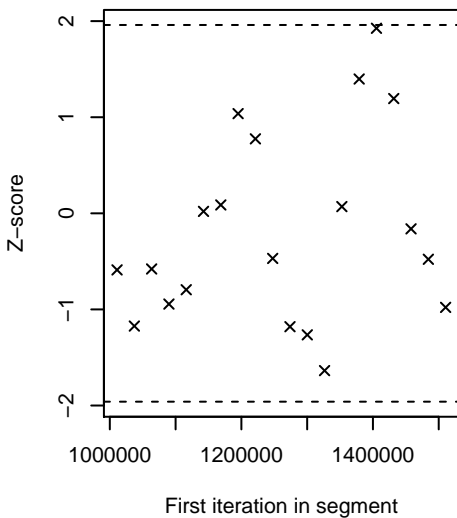
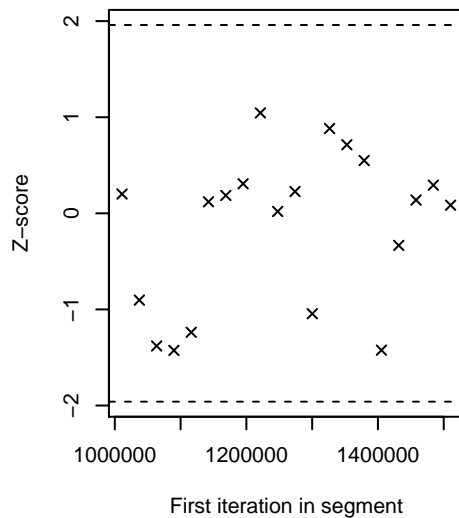
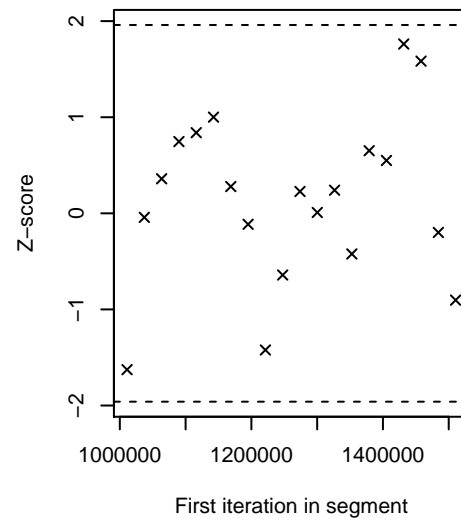


**q[7,3] (chain2)**

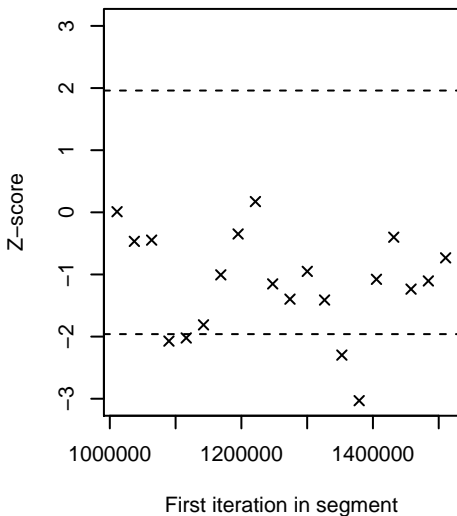


**q[8,3] (chain2)**

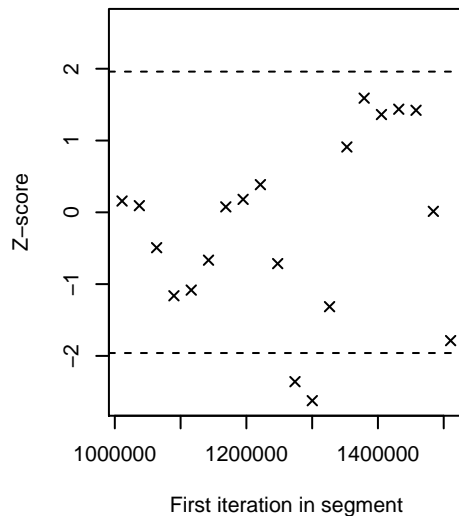


**q[9,3] (chain2)****q[10,3] (chain2)****q[11,3] (chain2)****q[12,3] (chain2)****q[13,3] (chain2)****q[14,3] (chain2)****q[15,3] (chain2)****q[16,3] (chain2)****q[17,3] (chain2)**

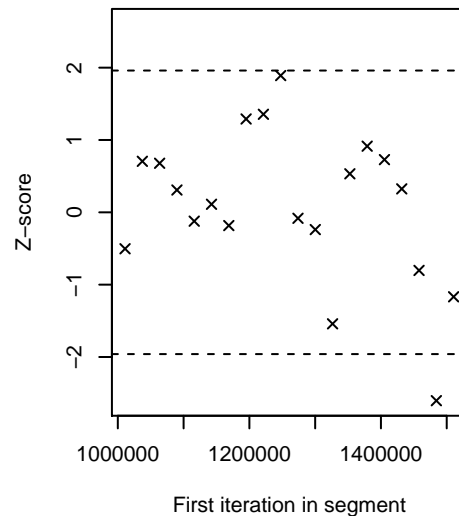
**q[18,3] (chain2)**



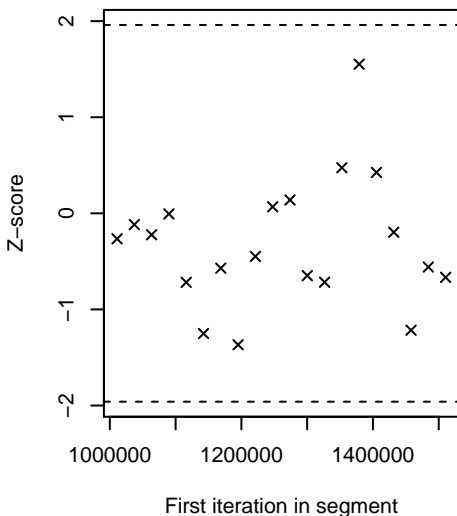
**q[19,3] (chain2)**



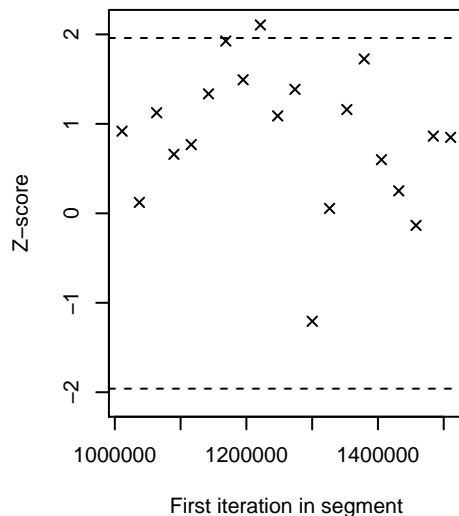
**q[20,3] (chain2)**



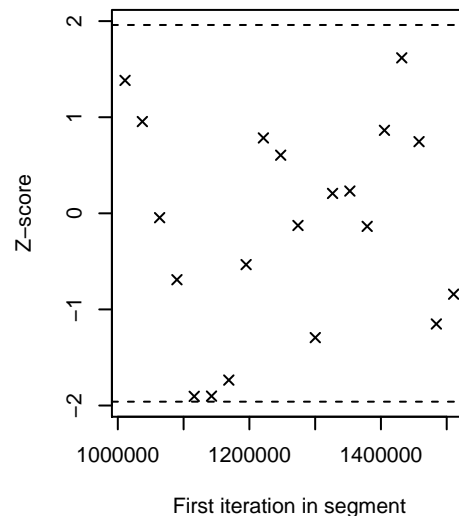
**q[21,3] (chain2)**



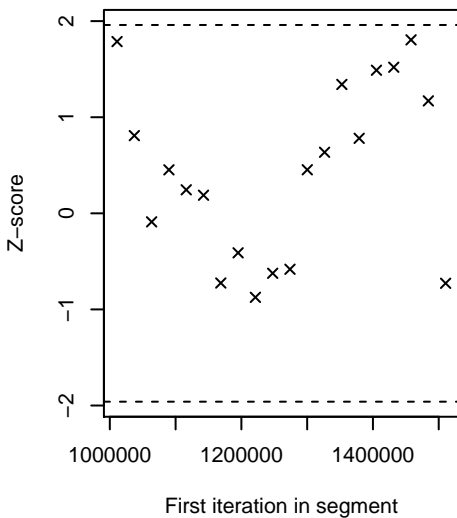
**q[22,3] (chain2)**



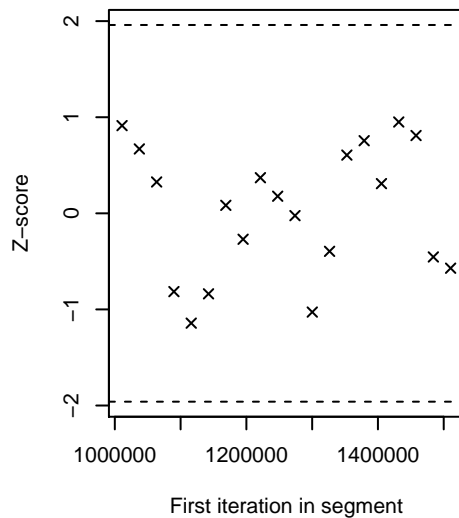
**q[23,3] (chain2)**



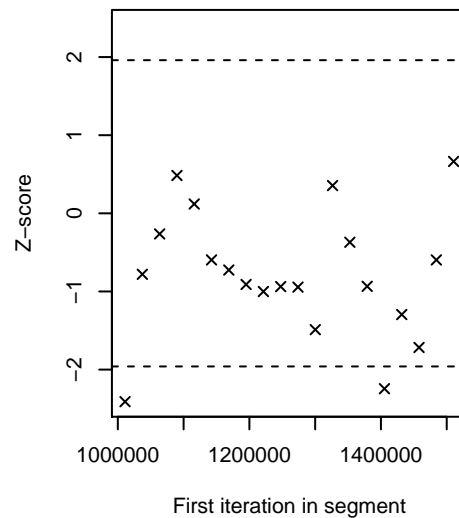
**q[24,3] (chain2)**

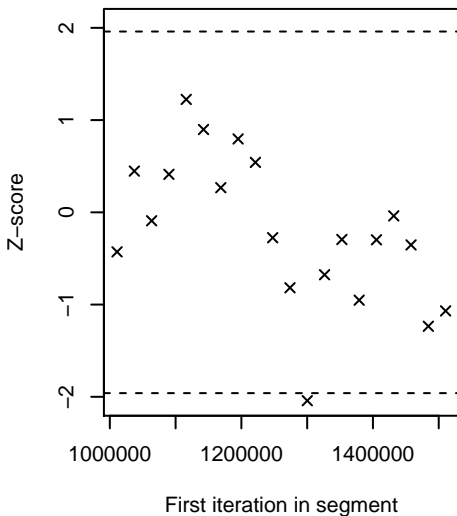
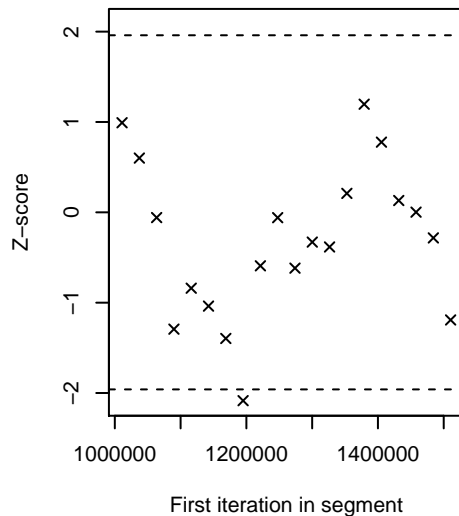
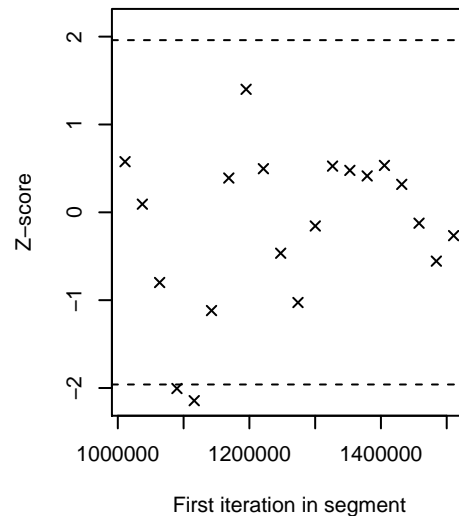
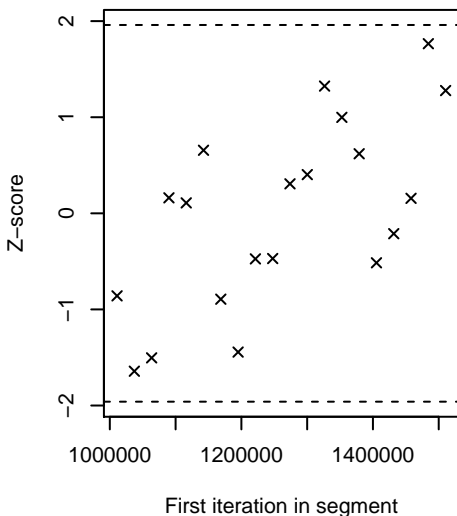
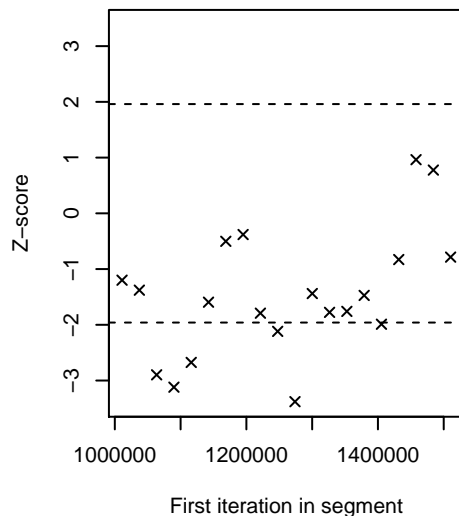
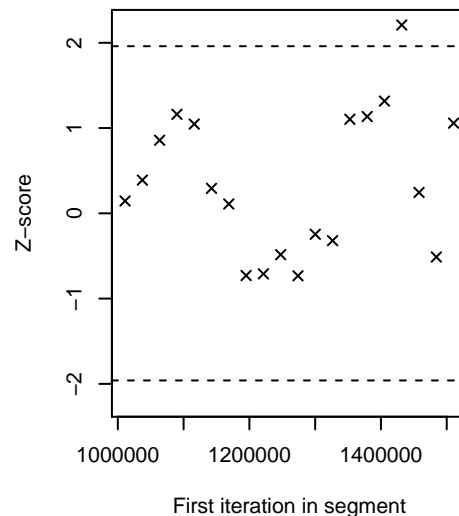
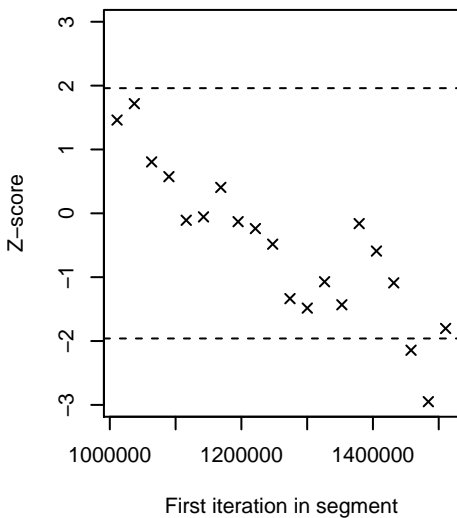
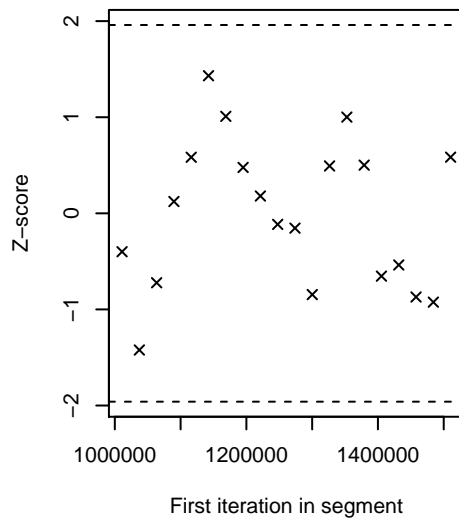
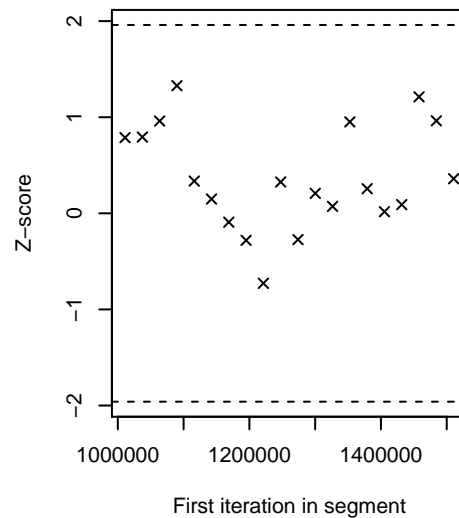


**q[25,3] (chain2)**



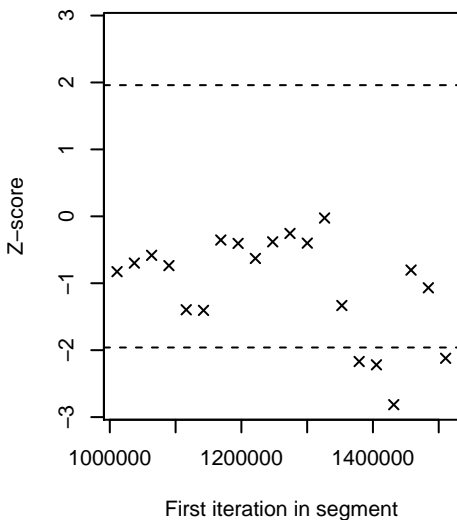
**q[26,3] (chain2)**



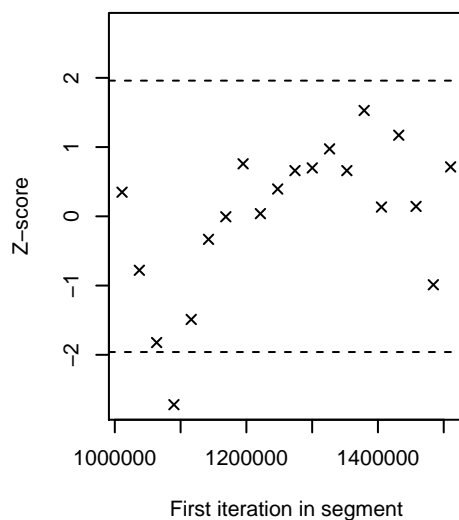
**q[27,3] (chain2)****q[28,3] (chain2)****q[29,3] (chain2)****q[30,3] (chain2)****q[31,3] (chain2)****q[32,3] (chain2)****q[33,3] (chain2)****q[34,3] (chain2)****q[35,3] (chain2)**



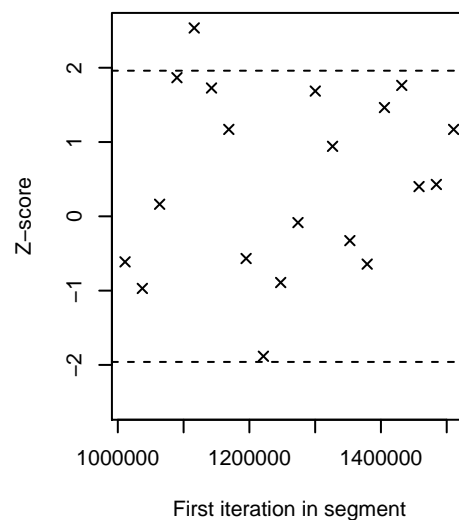
**q[36,3] (chain2)**



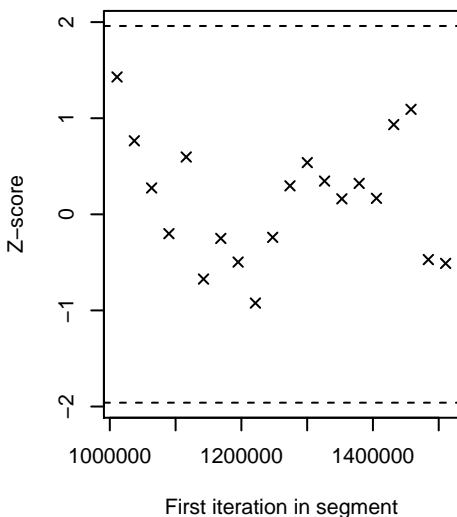
**q[37,3] (chain2)**



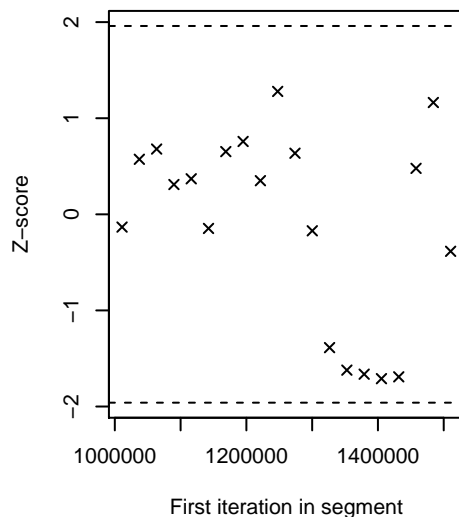
**sigma.R (chain2)**



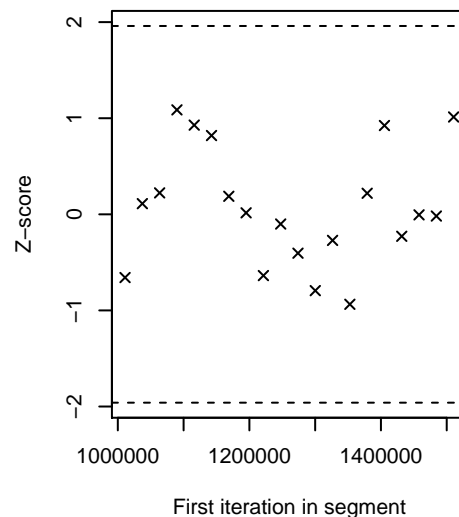
**sigma.R0 (chain2)**



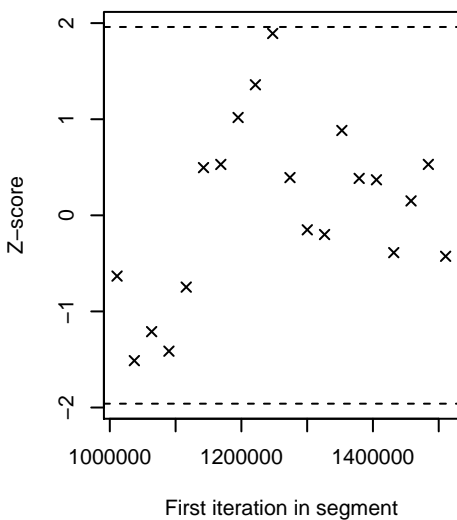
**B.sum (chain3)**



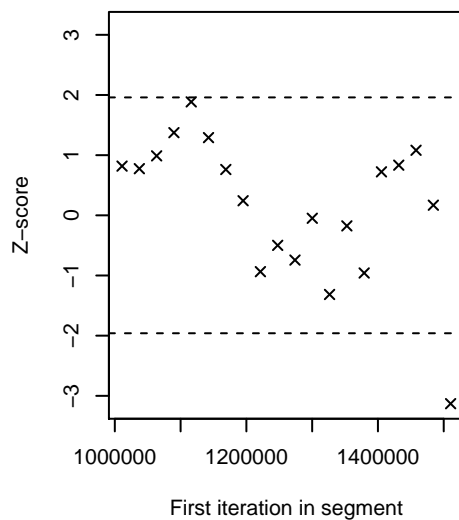
**D.sum (chain3)**



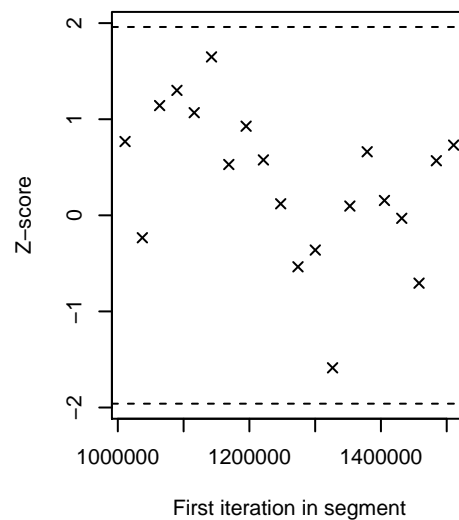
**H.B[1] (chain3)**

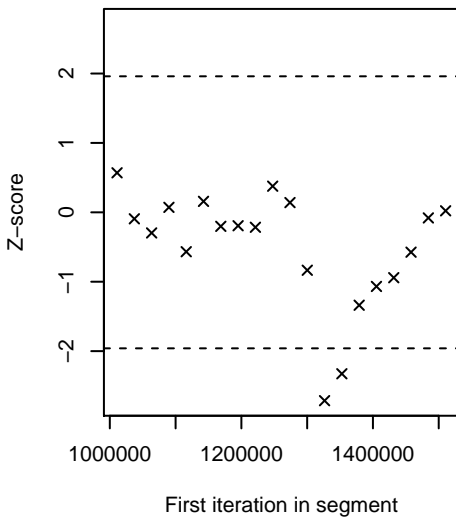
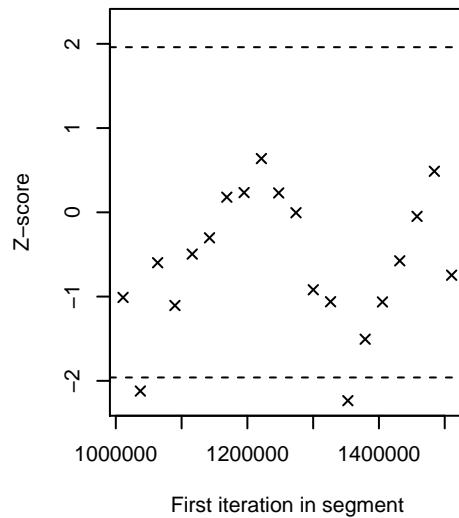
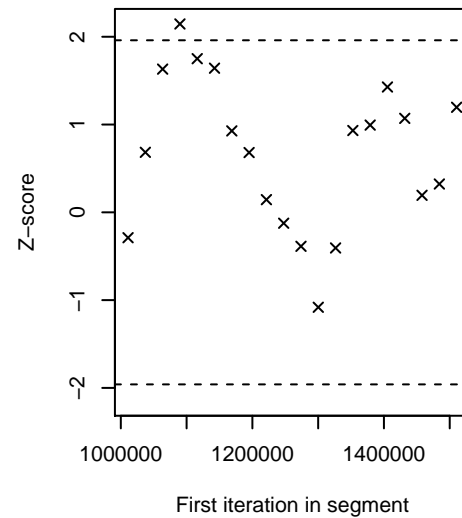
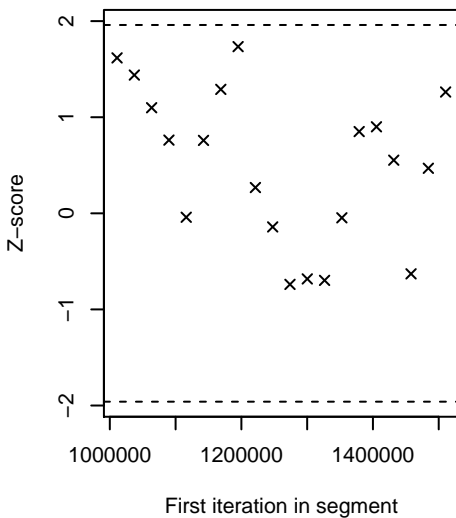
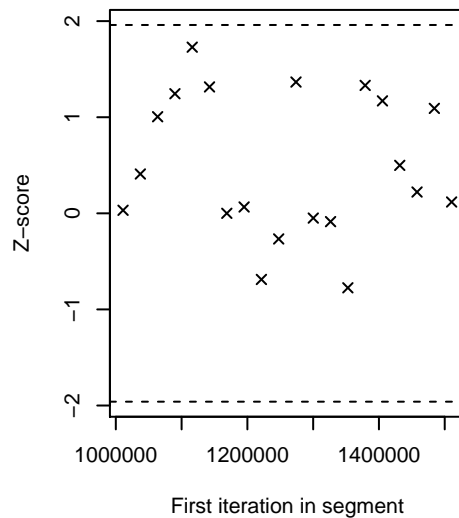
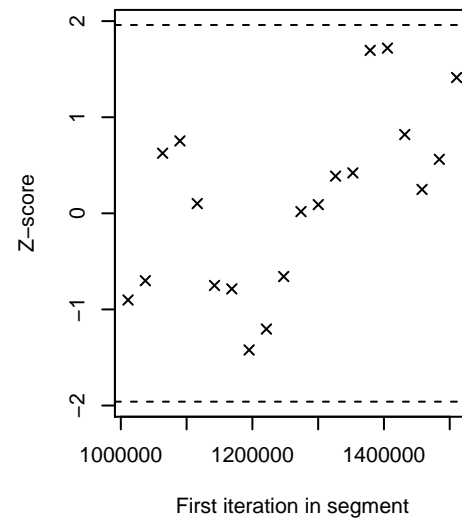
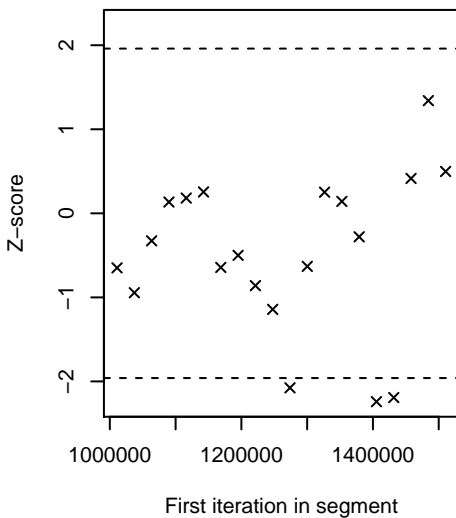
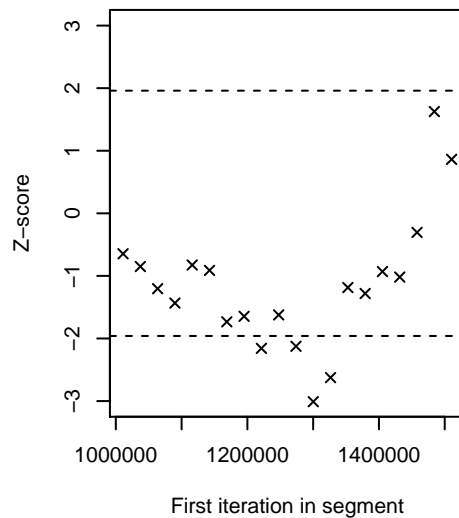
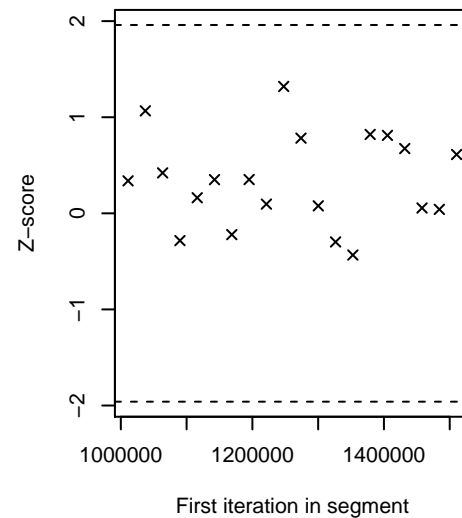


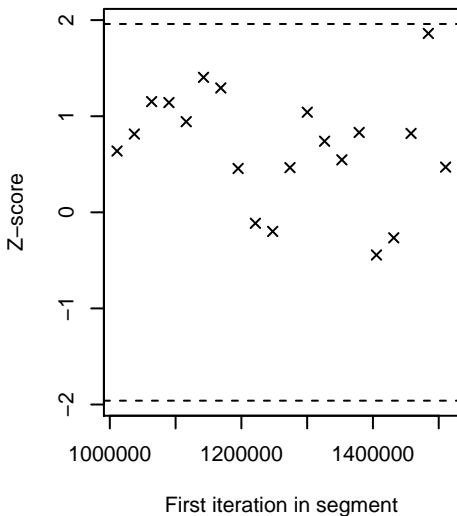
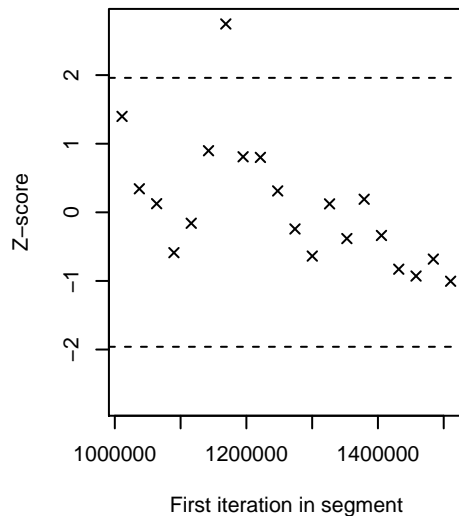
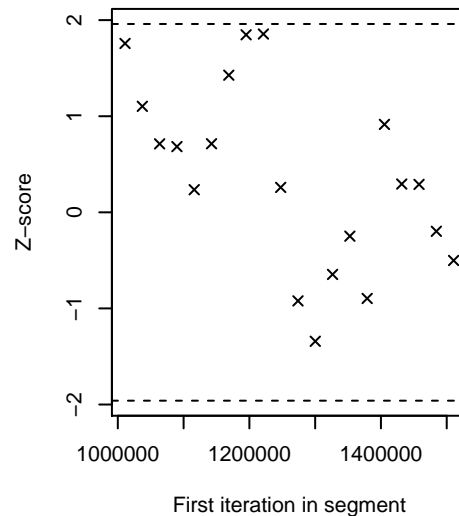
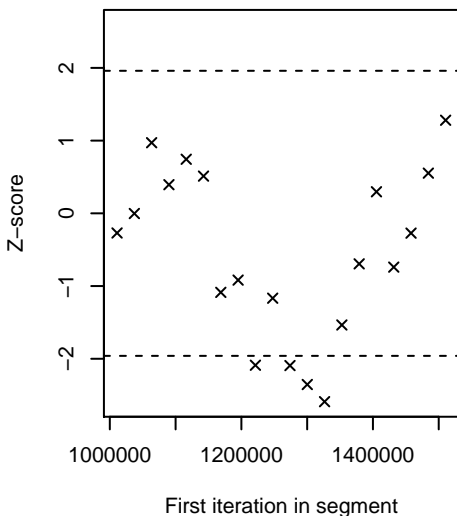
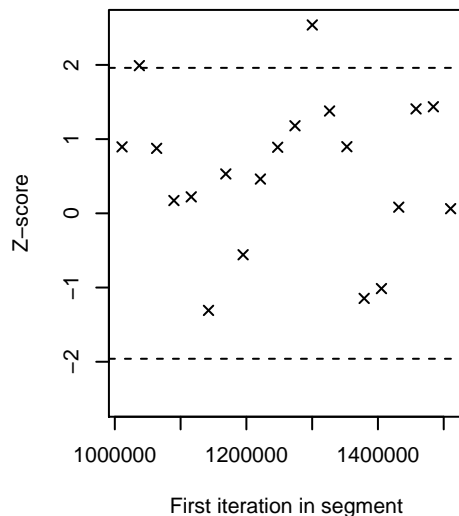
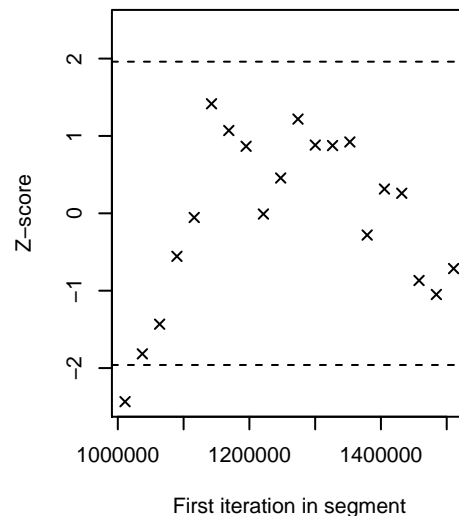
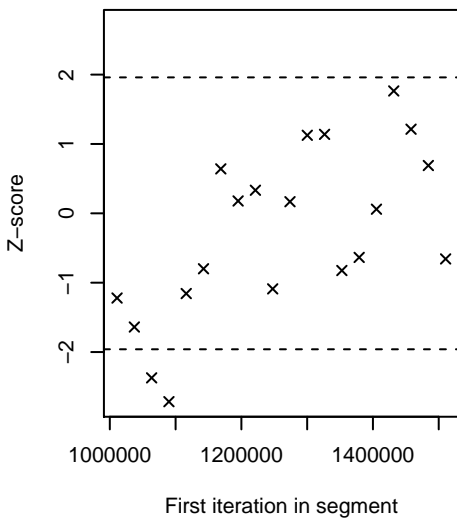
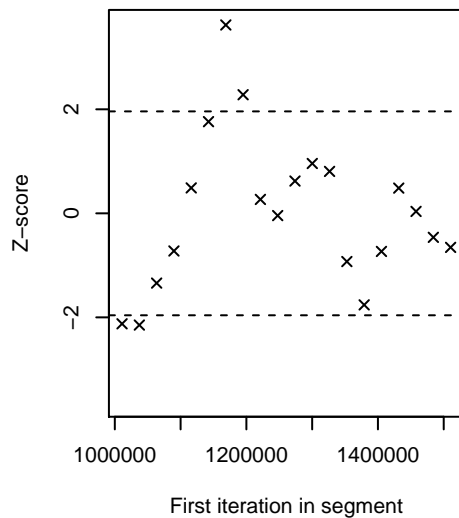
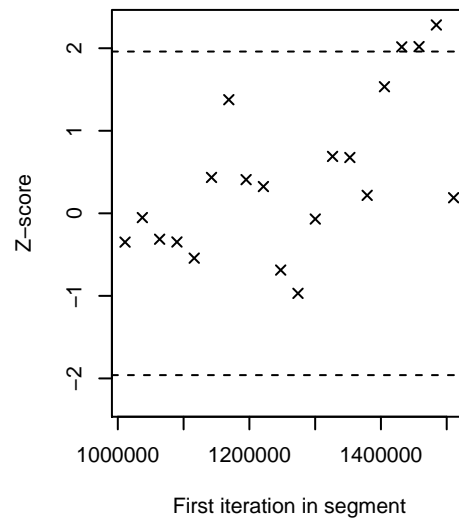
**H.B[2] (chain3)**

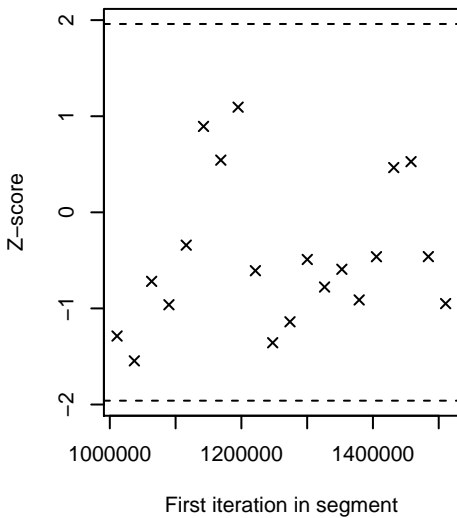
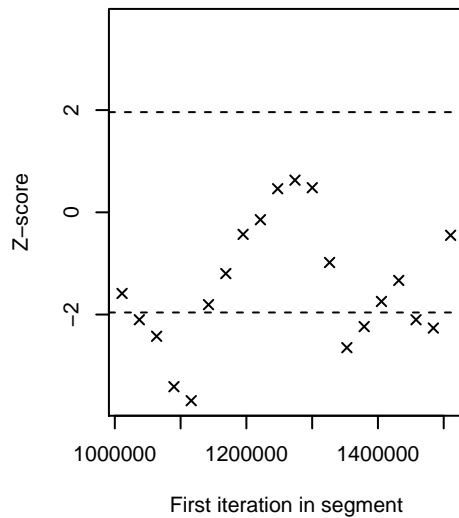
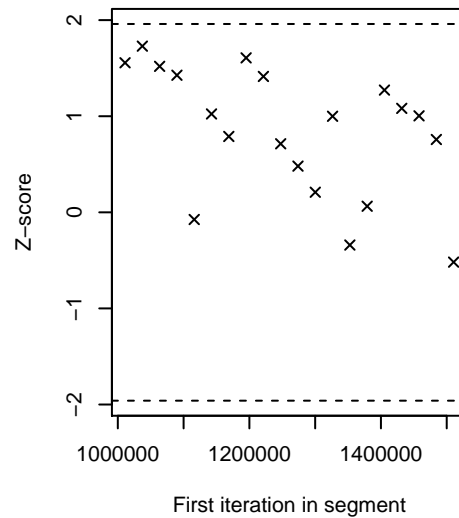
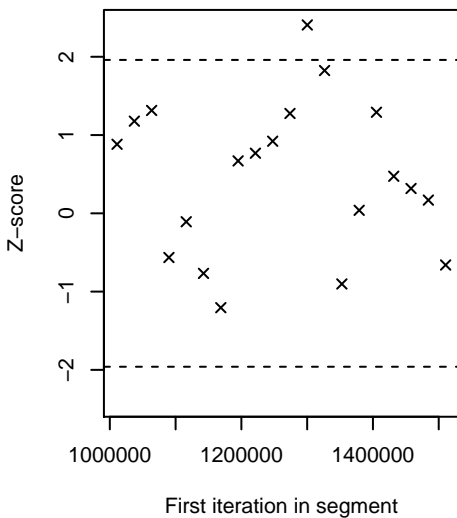
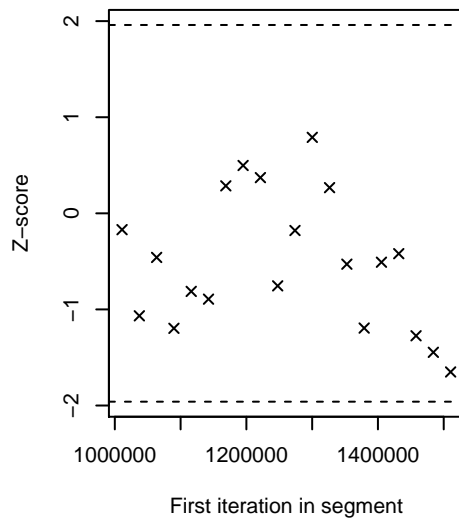
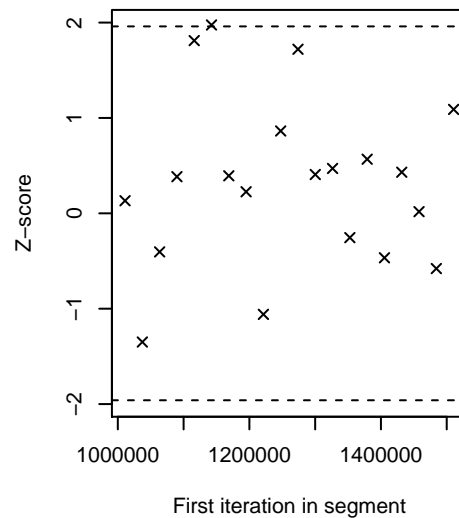
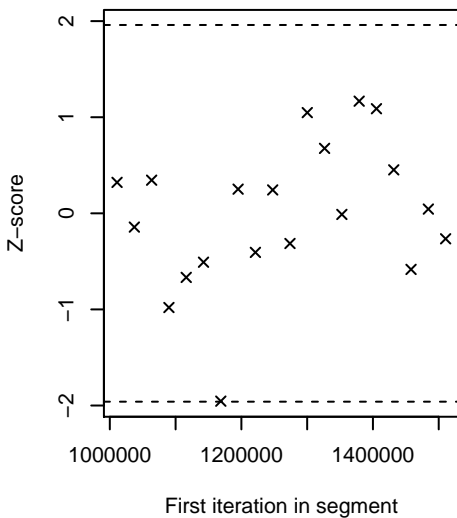
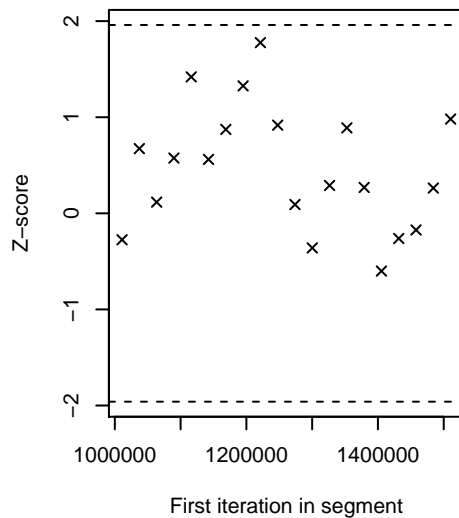
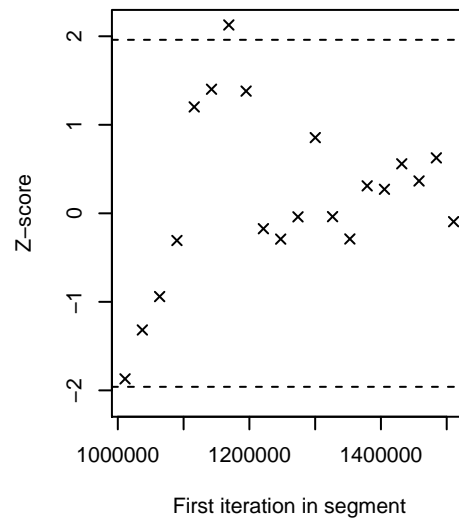


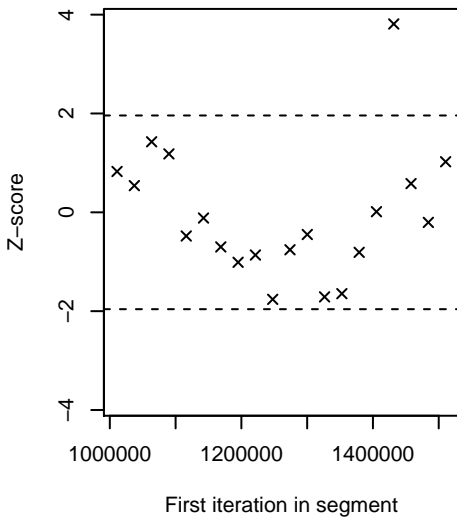
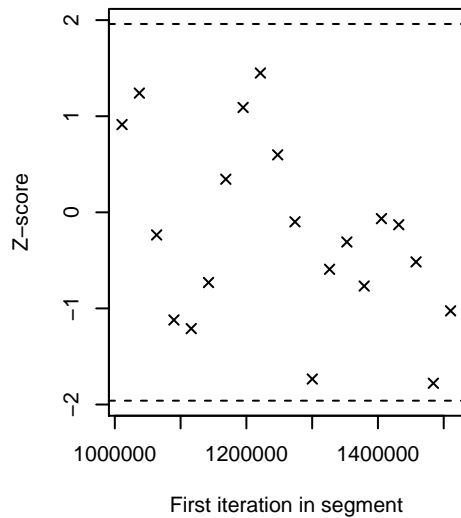
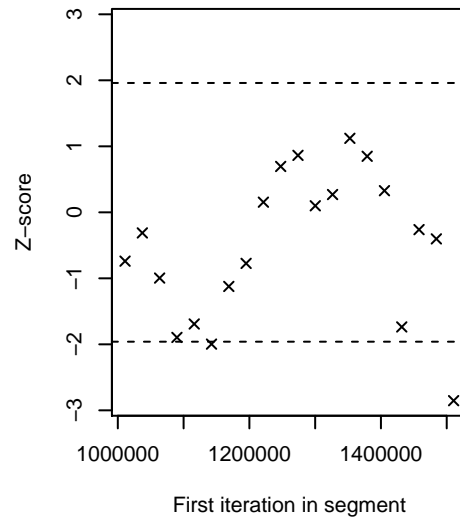
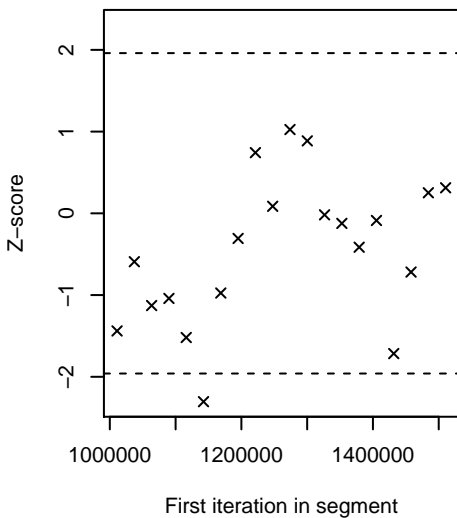
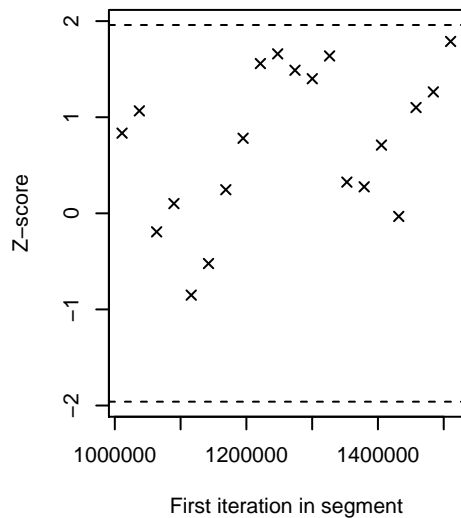
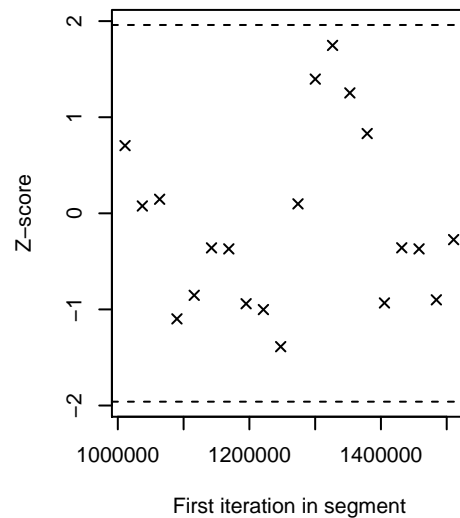
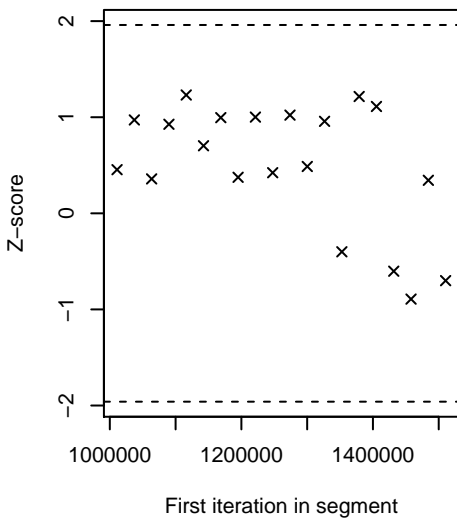
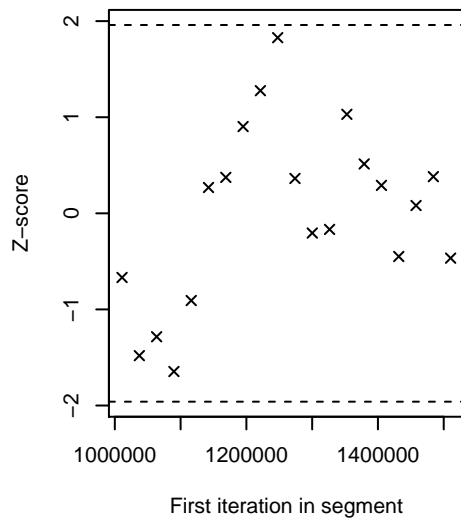
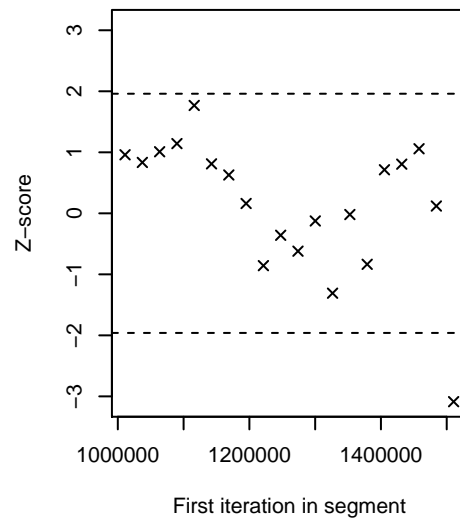
**H.B[3] (chain3)**

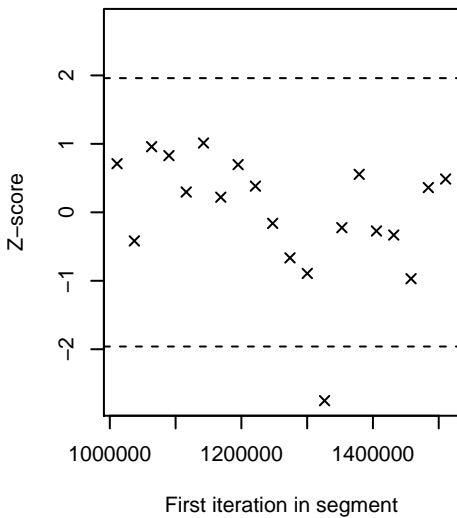
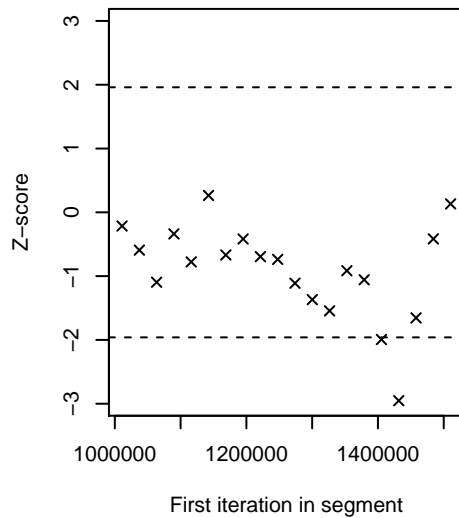
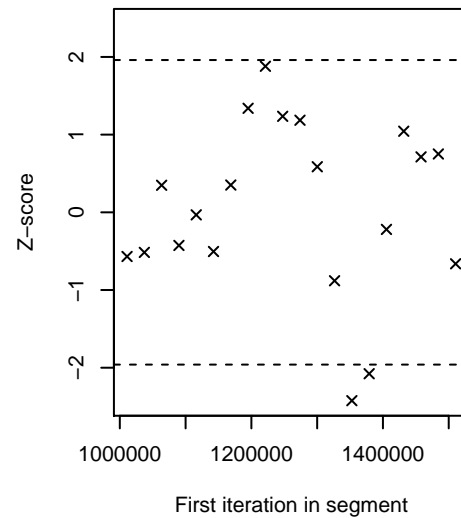
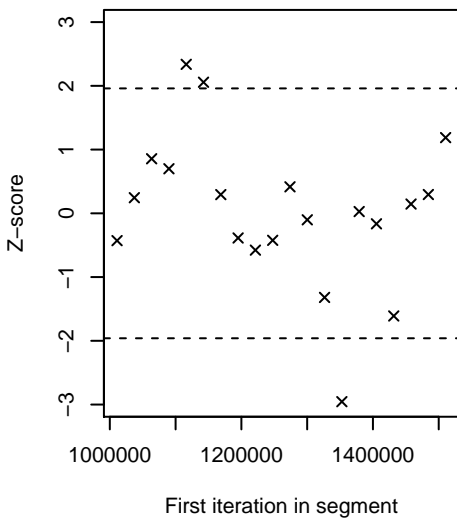
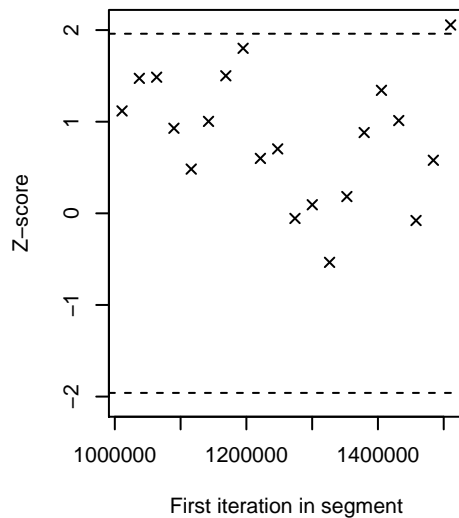
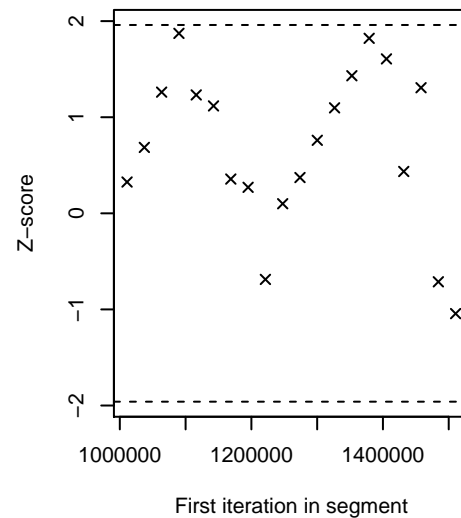
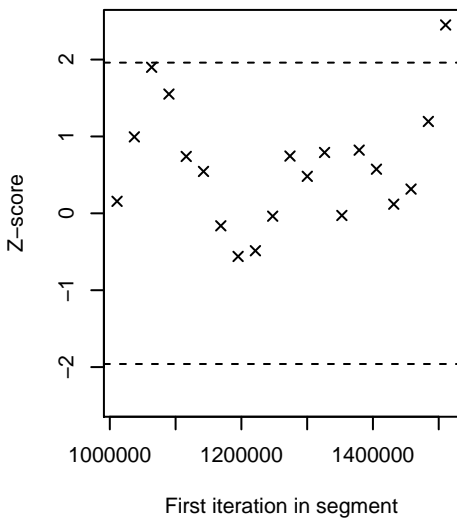
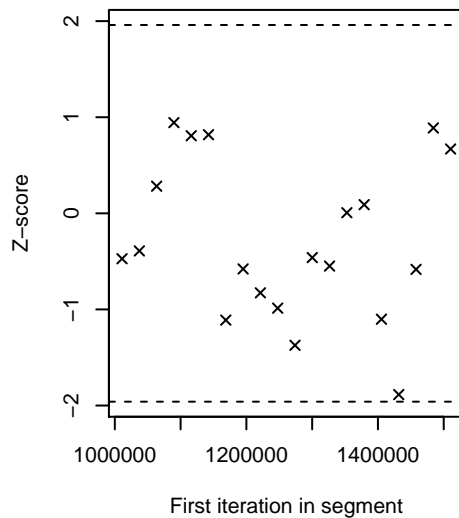
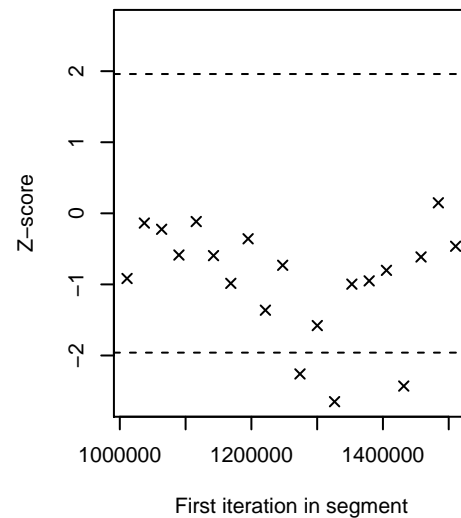


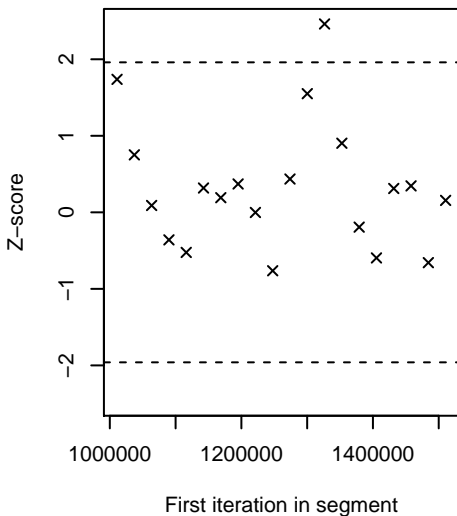
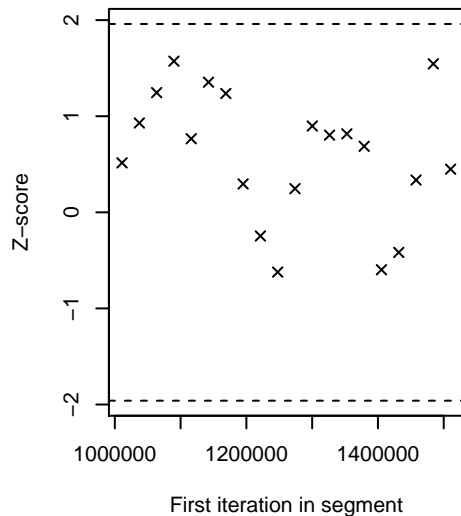
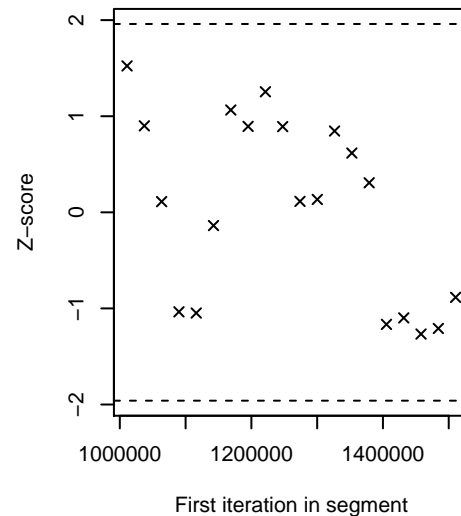
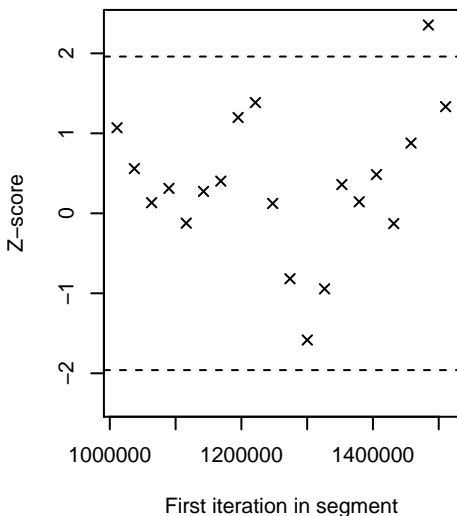
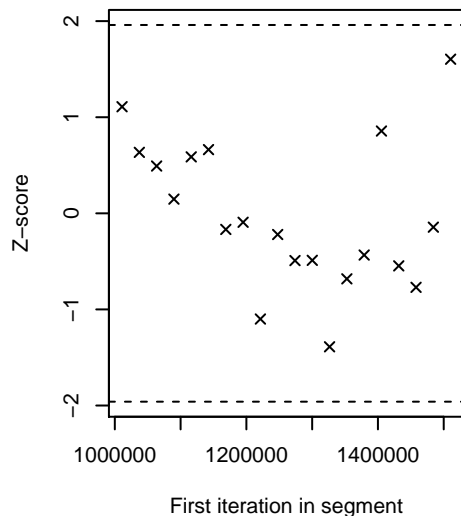
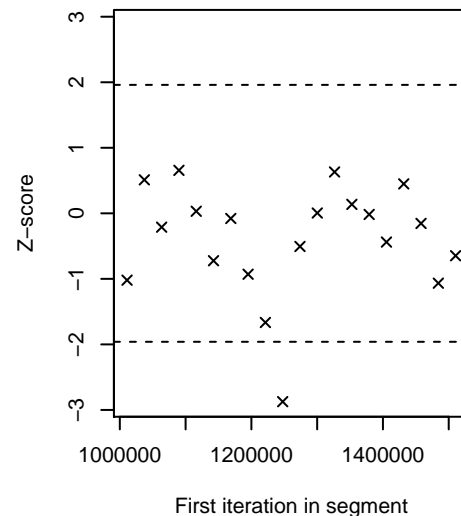
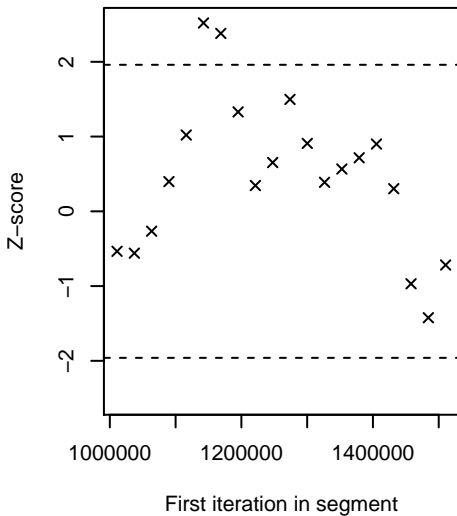
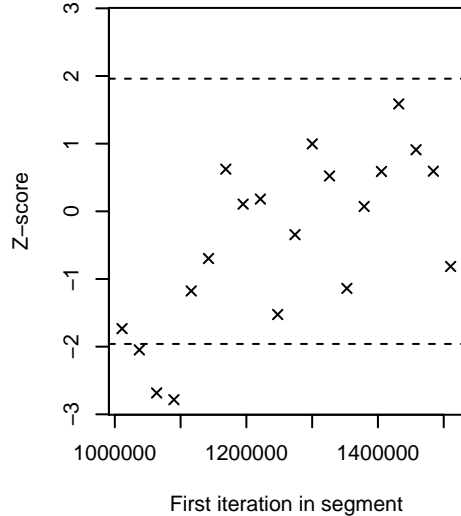
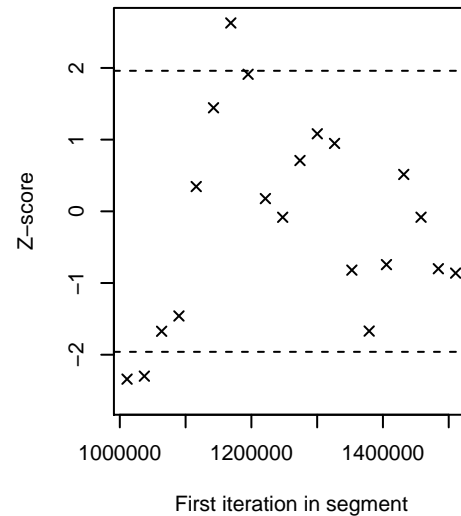
**H.B[4] (chain3)****H.B[5] (chain3)****H.B[6] (chain3)****H.B[7] (chain3)****H.B[8] (chain3)****H.B[9] (chain3)****H.B[10] (chain3)****H.B[11] (chain3)****H.B[12] (chain3)**

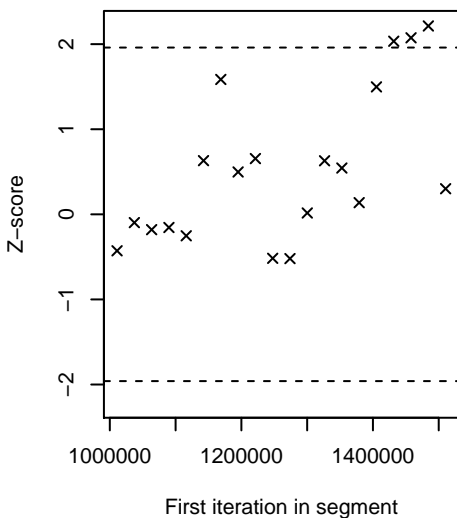
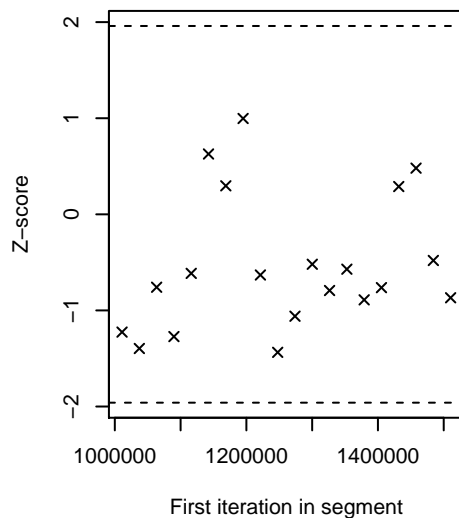
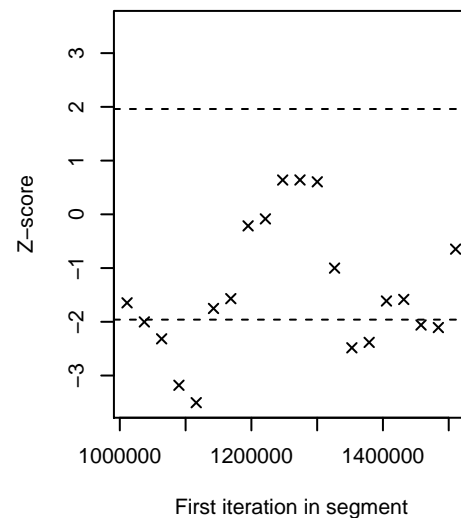
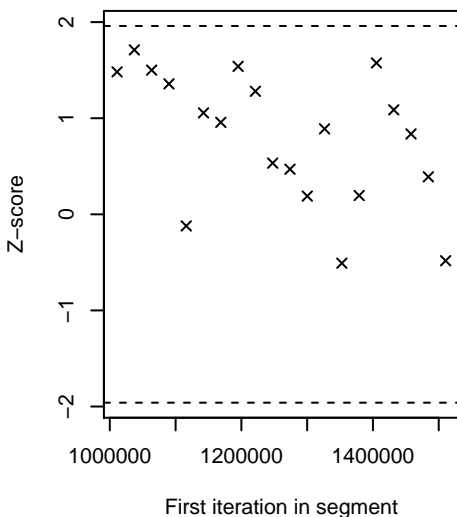
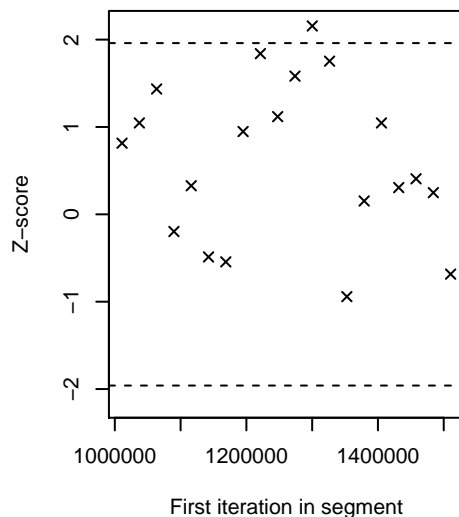
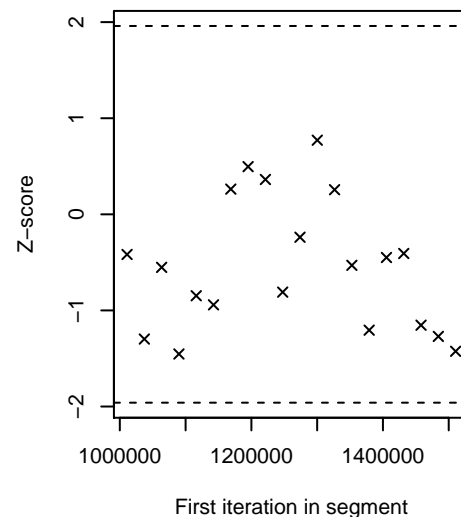
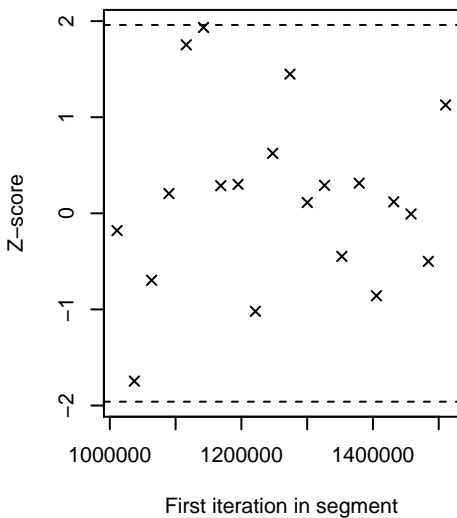
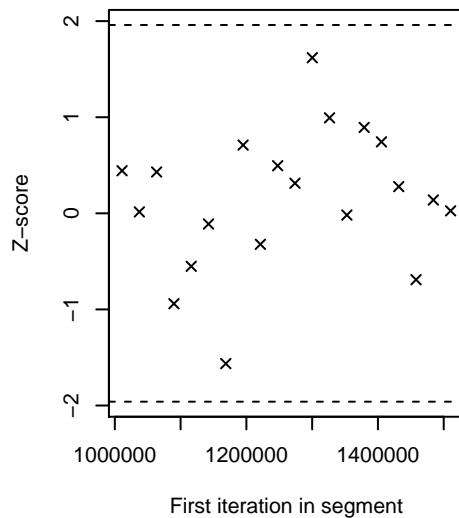
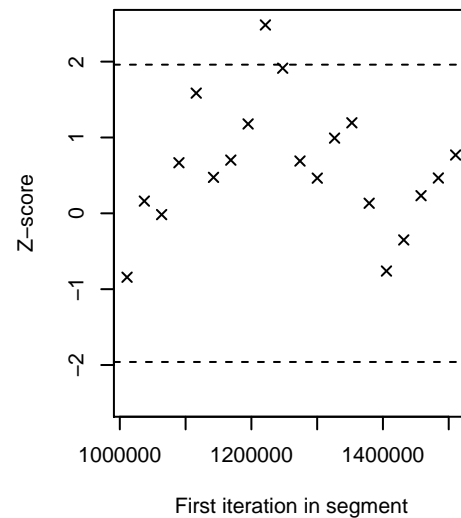
**H.B[13] (chain3)****H.B[14] (chain3)****H.B[15] (chain3)****H.B[16] (chain3)****H.B[17] (chain3)****H.B[18] (chain3)****H.B[19] (chain3)****H.B[20] (chain3)****H.B[21] (chain3)**

**H.B[22] (chain3)****H.B[23] (chain3)****H.B[24] (chain3)****H.B[25] (chain3)****H.B[26] (chain3)****H.B[27] (chain3)****H.B[28] (chain3)****H.B[29] (chain3)****H.B[30] (chain3)**

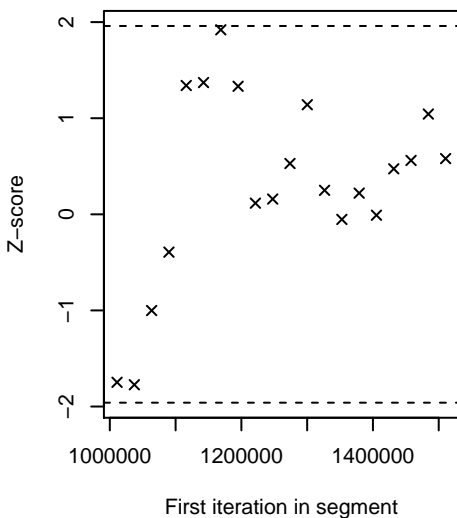
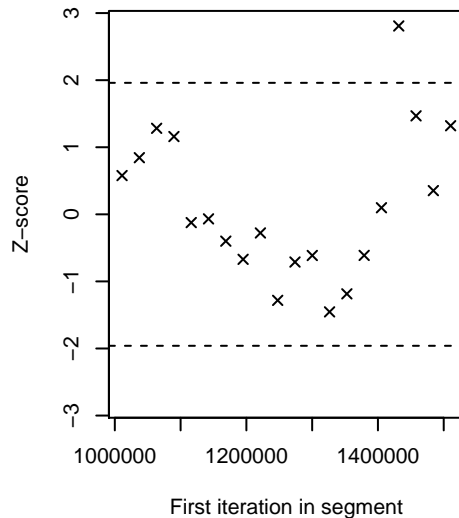
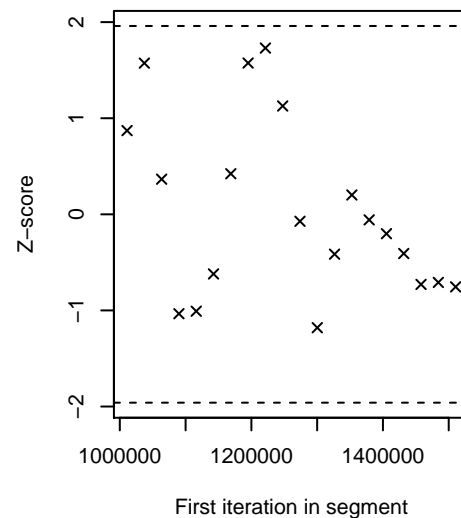
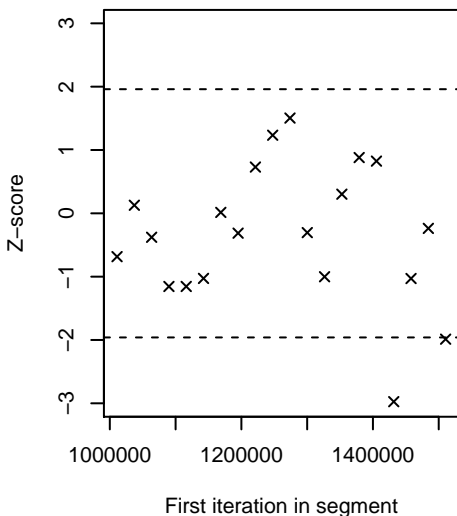
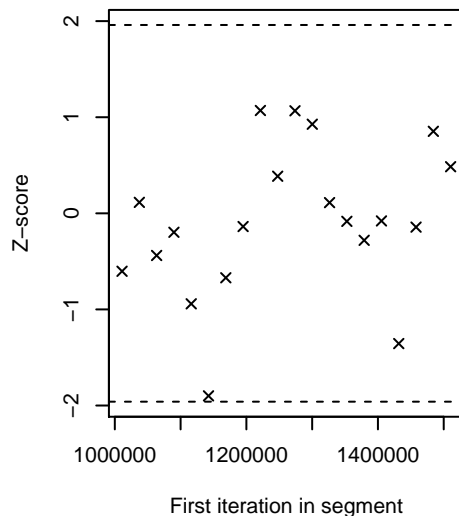
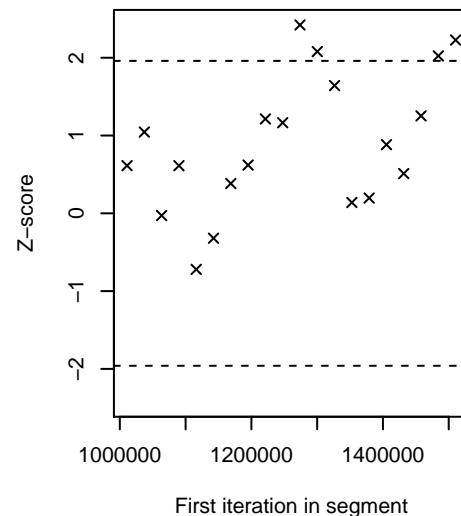
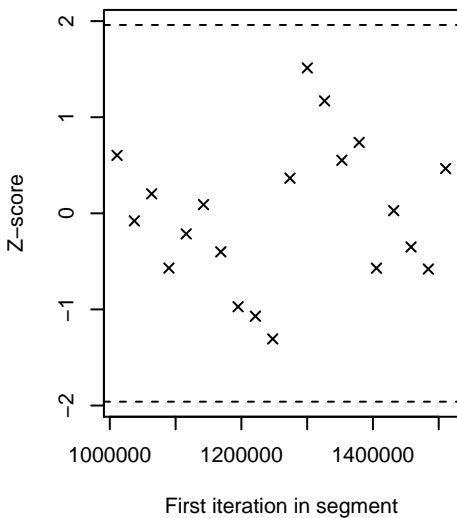
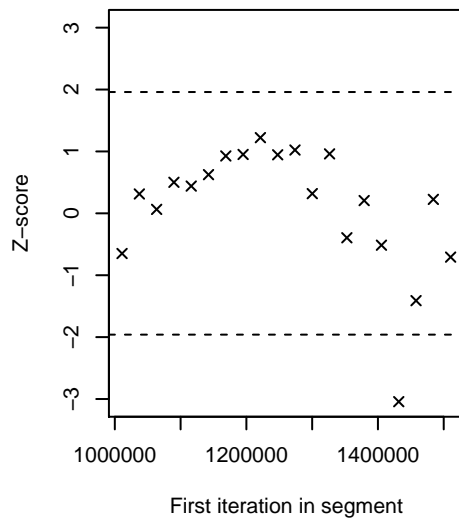
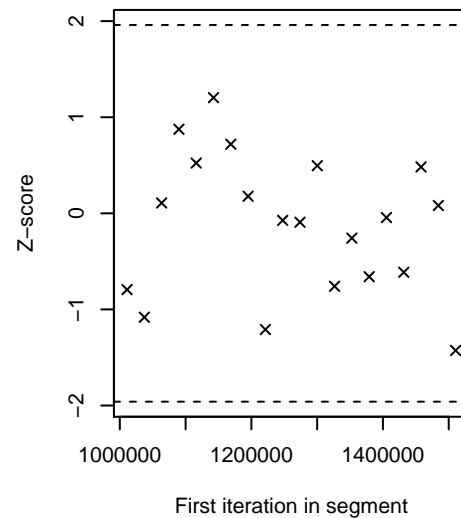
**H.B[31] (chain3)****H.B[32] (chain3)****H.B[33] (chain3)****H.B[34] (chain3)****H.B[35] (chain3)****H.B[36] (chain3)****H.B[37] (chain3)****N[1] (chain3)****N[2] (chain3)**

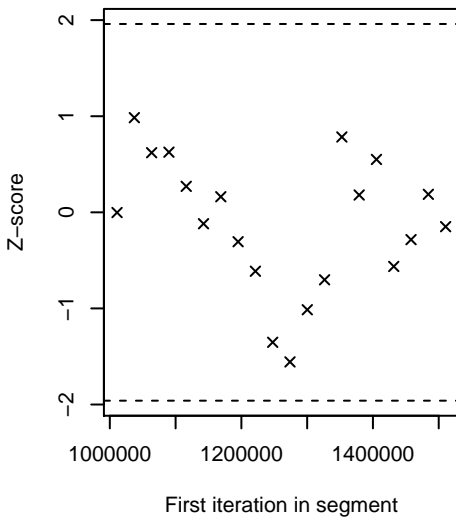
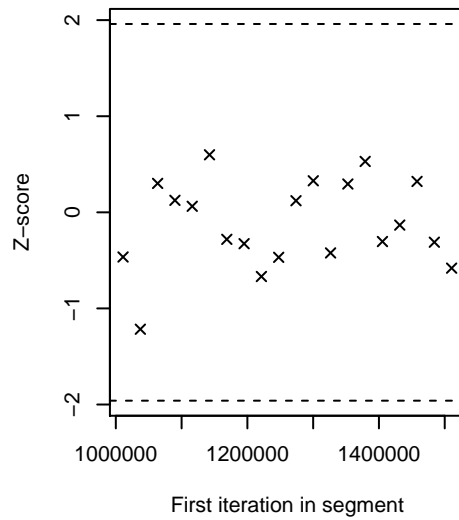
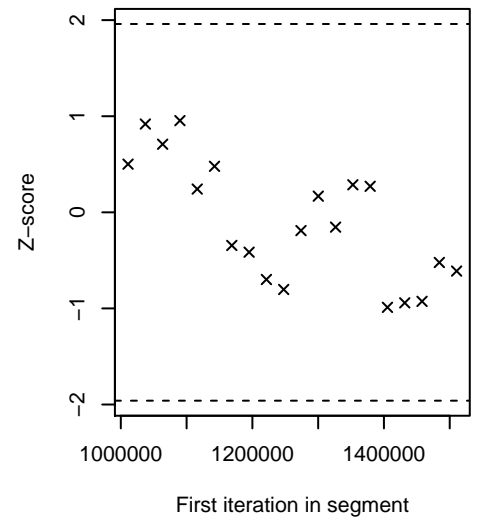
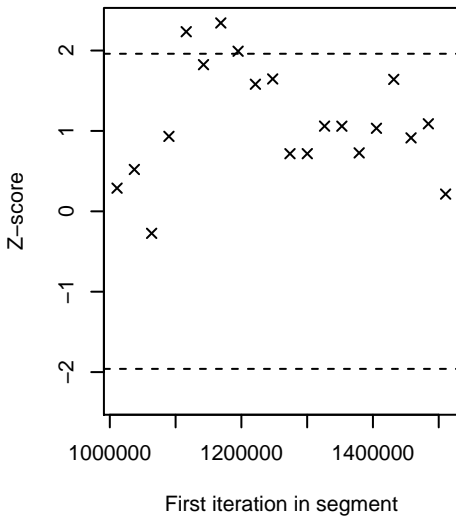
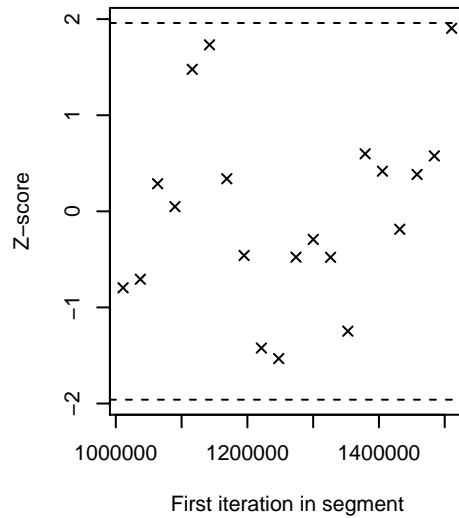
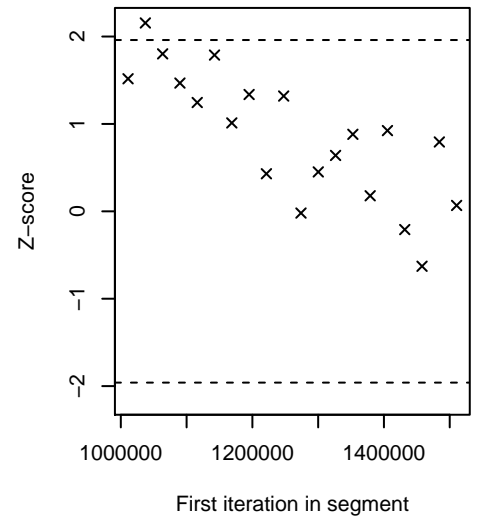
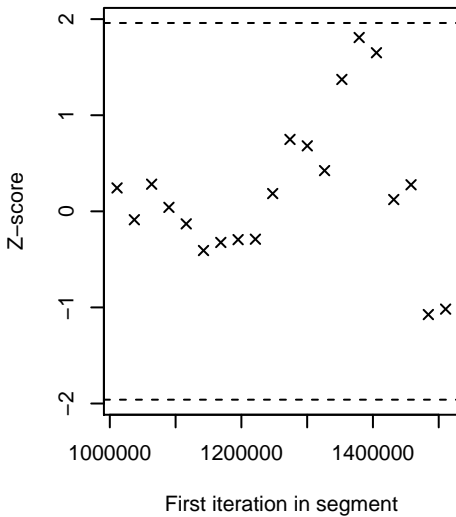
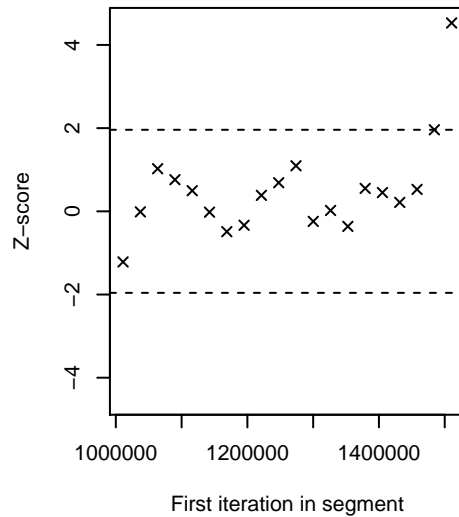
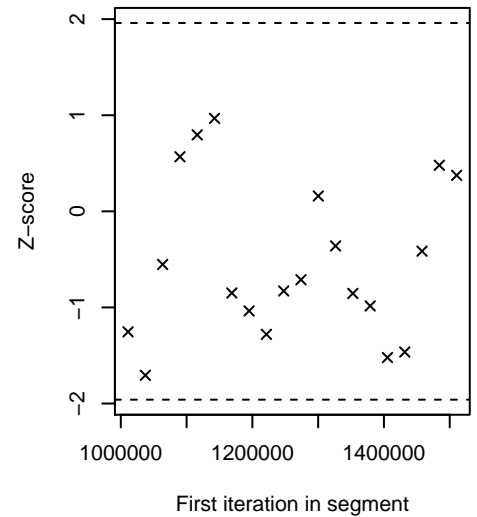
**N[3] (chain3)****N[4] (chain3)****N[5] (chain3)****N[6] (chain3)****N[7] (chain3)****N[8] (chain3)****N[9] (chain3)****N[10] (chain3)****N[11] (chain3)**

**N[12] (chain3)****N[13] (chain3)****N[14] (chain3)****N[15] (chain3)****N[16] (chain3)****N[17] (chain3)****N[18] (chain3)****N[19] (chain3)****N[20] (chain3)**

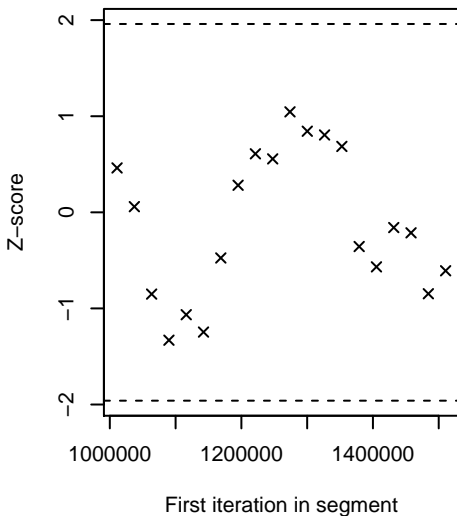
**N[21] (chain3)****N[22] (chain3)****N[23] (chain3)****N[24] (chain3)****N[25] (chain3)****N[26] (chain3)****N[27] (chain3)****N[28] (chain3)****N[29] (chain3)**



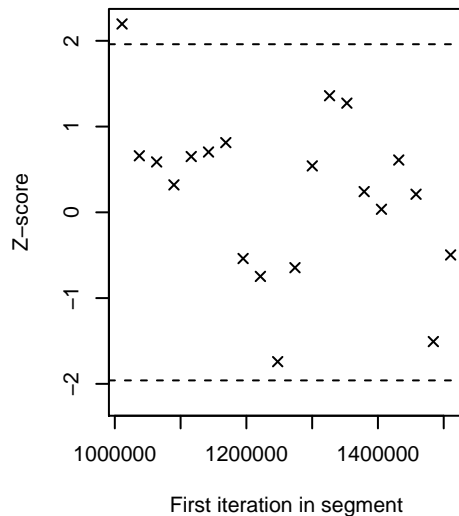
**N[30] (chain3)****N[31] (chain3)****N[32] (chain3)****N[33] (chain3)****N[34] (chain3)****N[35] (chain3)****N[36] (chain3)****N[37] (chain3)****N.ya[1,1] (chain3)**

**N.ya[2,1] (chain3)****N.ya[3,1] (chain3)****N.ya[4,1] (chain3)****N.ya[5,1] (chain3)****N.ya[6,1] (chain3)****N.ya[7,1] (chain3)****N.ya[8,1] (chain3)****N.ya[9,1] (chain3)****N.ya[10,1] (chain3)**

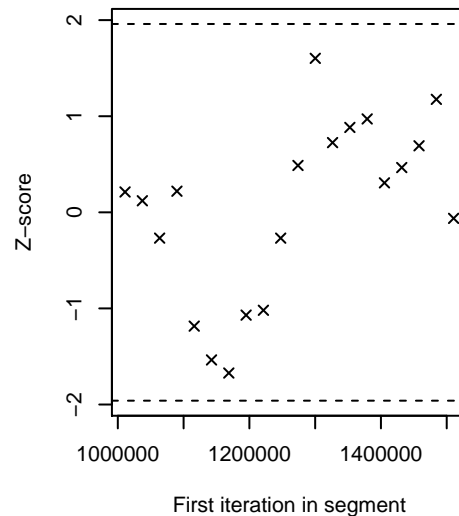
**N.ya[11,1] (chain3)**



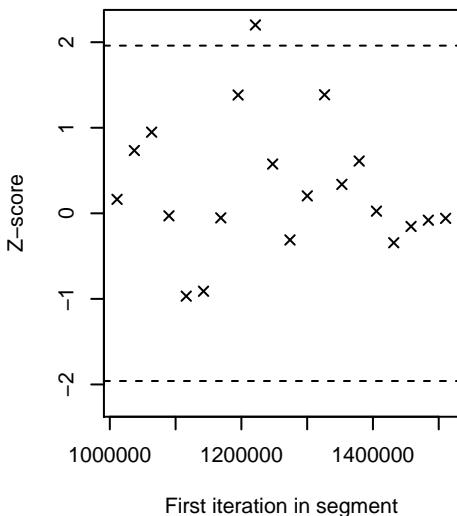
**N.ya[12,1] (chain3)**



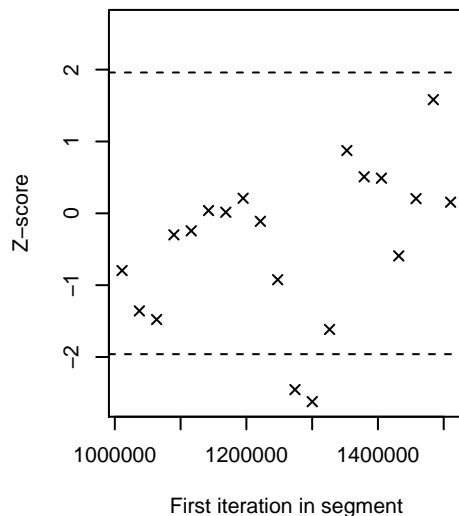
**N.ya[13,1] (chain3)**



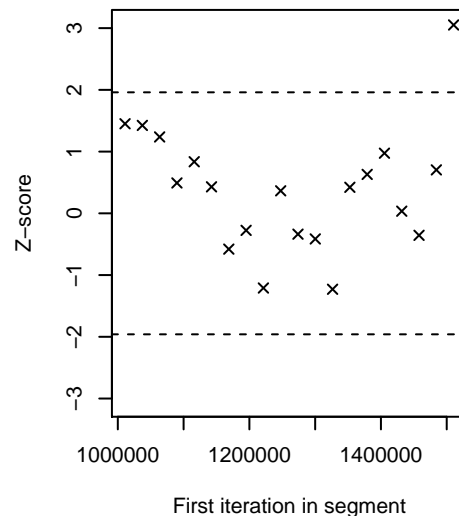
**N.ya[14,1] (chain3)**



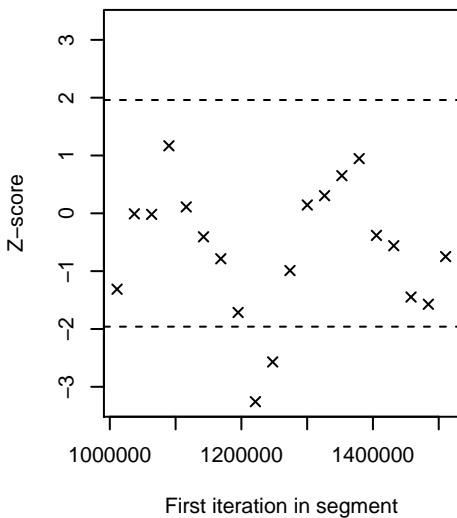
**N.ya[15,1] (chain3)**



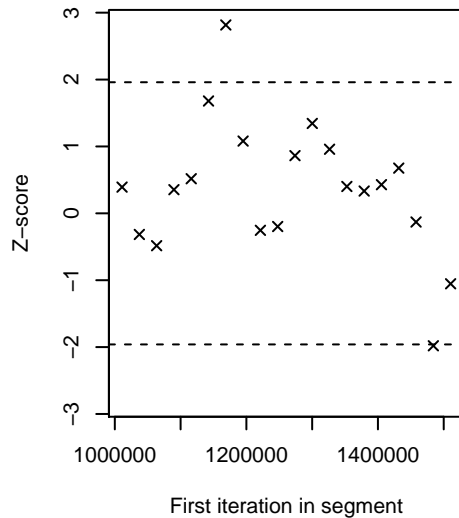
**N.ya[16,1] (chain3)**



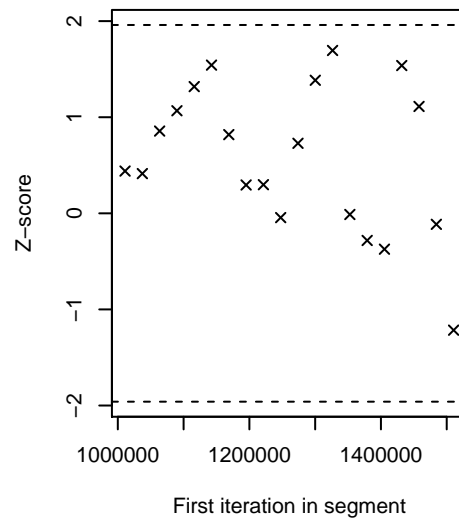
**N.ya[17,1] (chain3)**



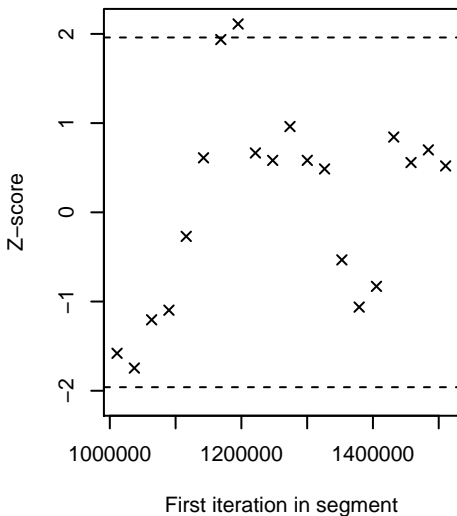
**N.ya[18,1] (chain3)**



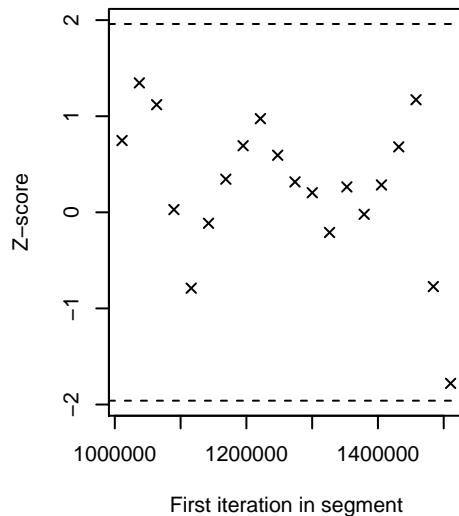
**N.ya[19,1] (chain3)**



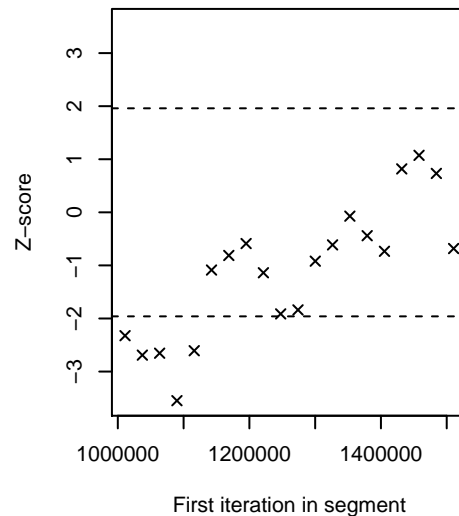
**N.ya[20,1] (chain3)**



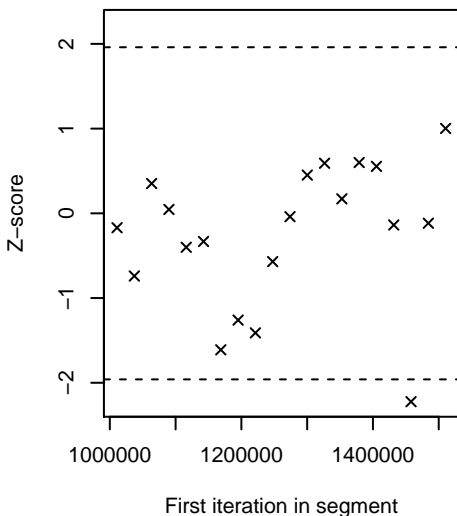
**N.ya[21,1] (chain3)**



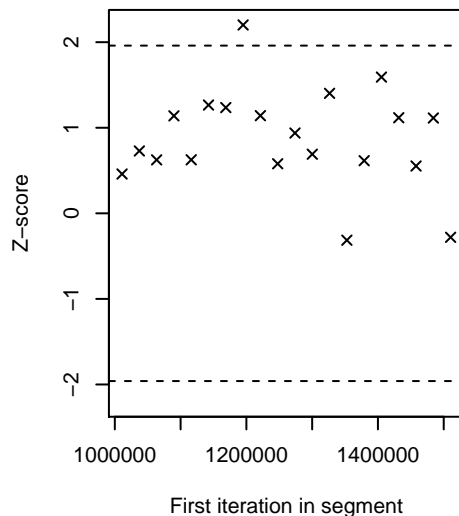
**N.ya[22,1] (chain3)**



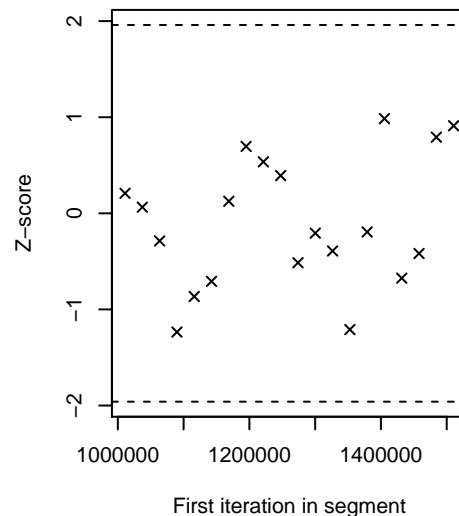
**N.ya[23,1] (chain3)**



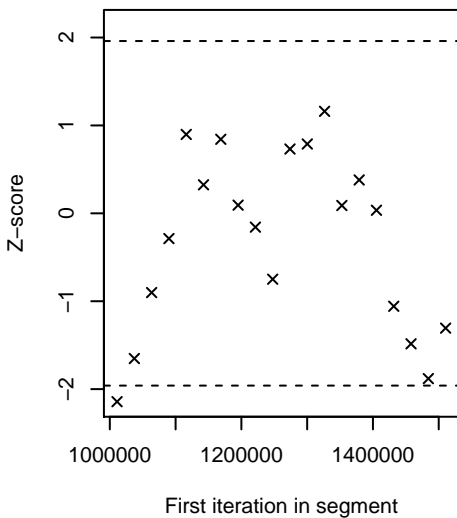
**N.ya[24,1] (chain3)**



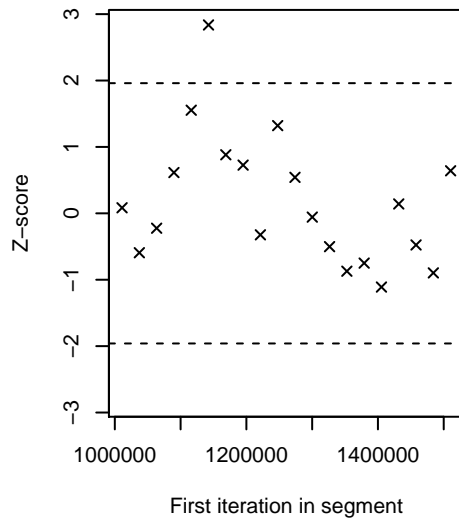
**N.ya[25,1] (chain3)**



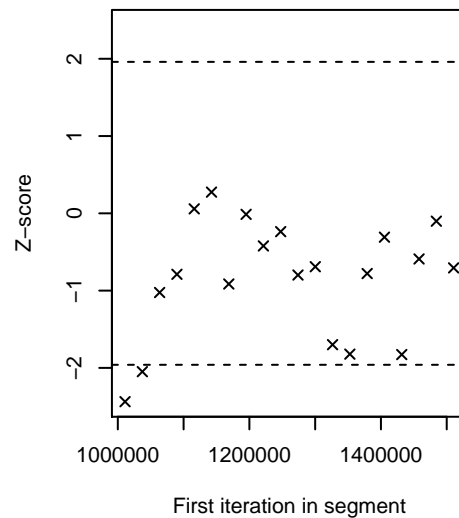
**N.ya[26,1] (chain3)**



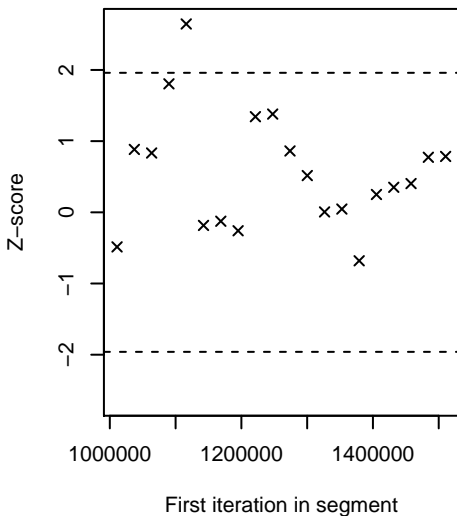
**N.ya[27,1] (chain3)**



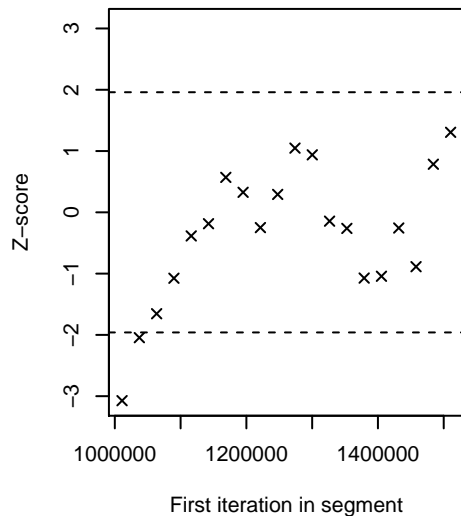
**N.ya[28,1] (chain3)**



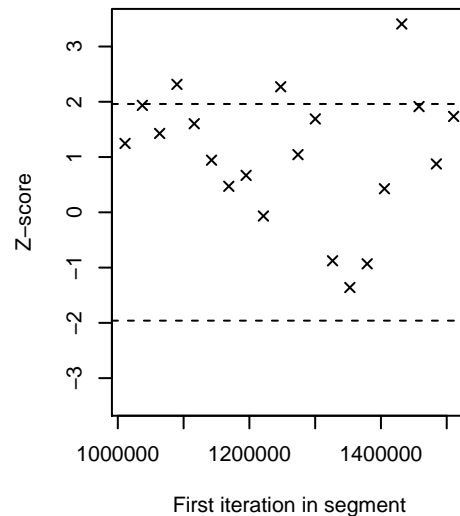
**N.ya[29,1] (chain3)**



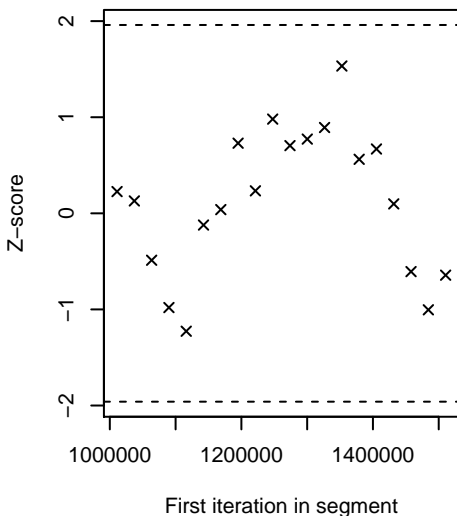
**N.ya[30,1] (chain3)**



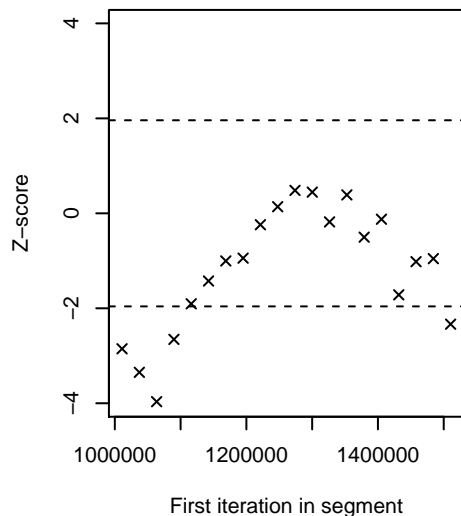
**N.ya[31,1] (chain3)**



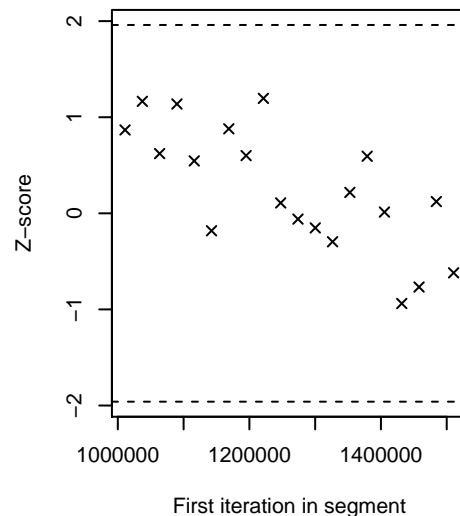
**N.ya[32,1] (chain3)**



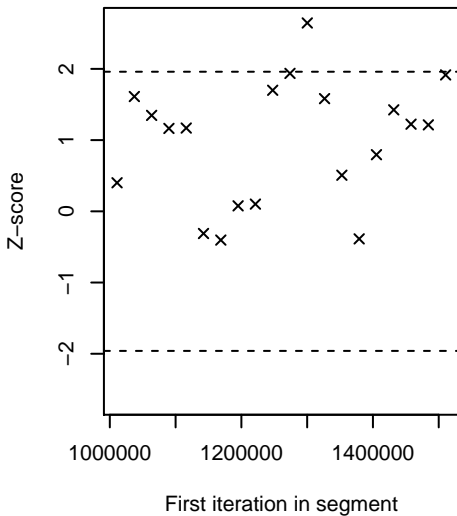
**N.ya[33,1] (chain3)**



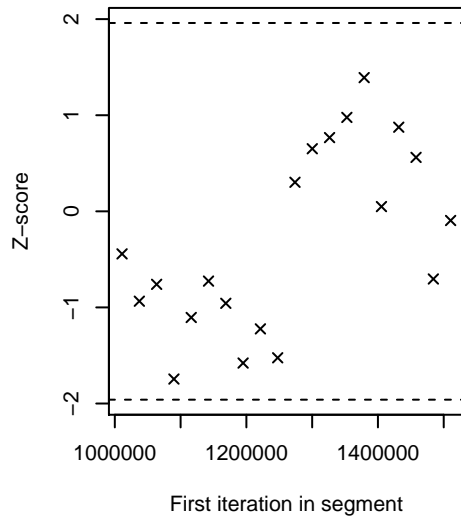
**N.ya[34,1] (chain3)**



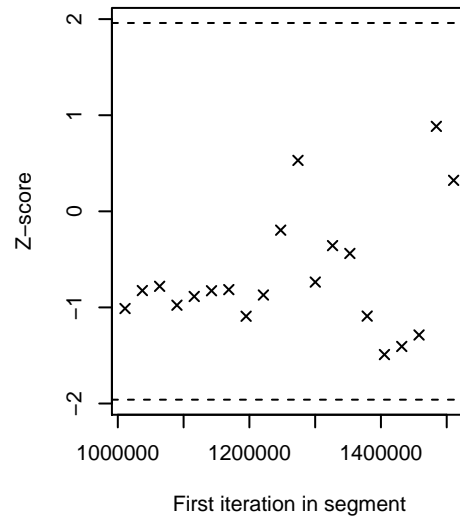
**N.ya[35,1] (chain3)**



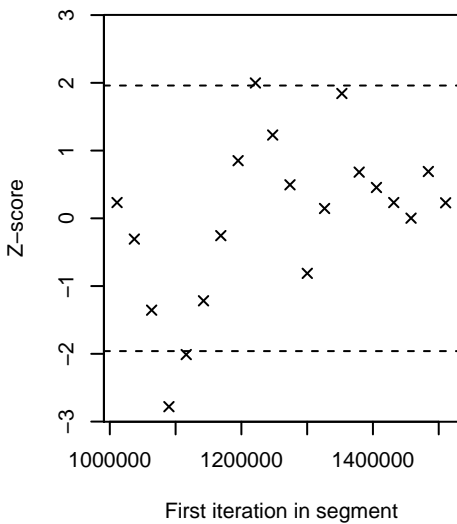
**N.ya[36,1] (chain3)**



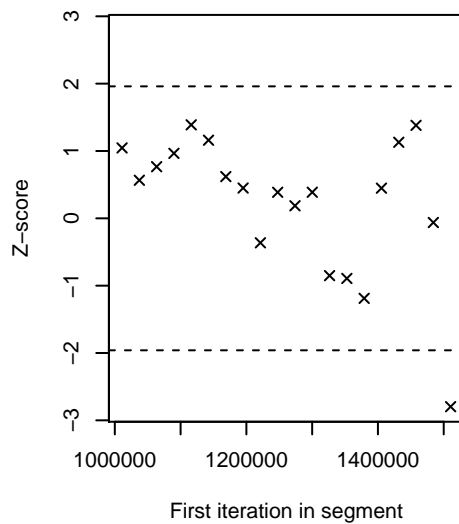
**N.ya[37,1] (chain3)**



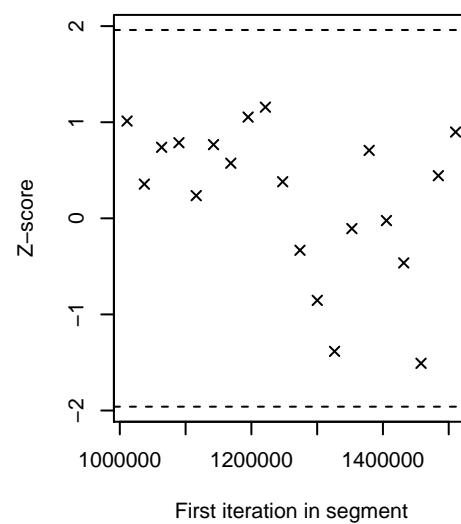
**N.ya[1,2] (chain3)**



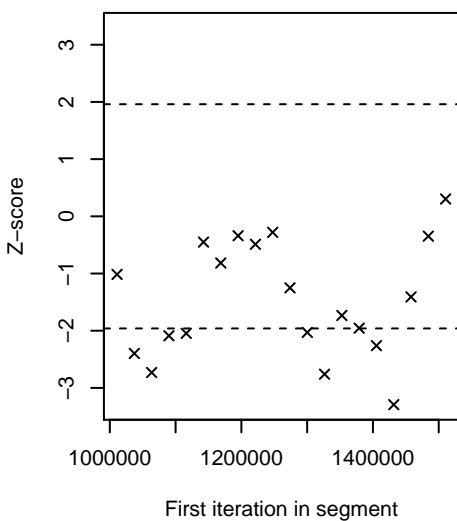
**N.ya[2,2] (chain3)**



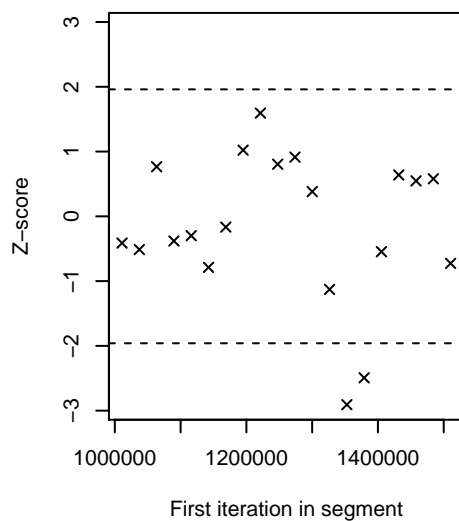
**N.ya[3,2] (chain3)**



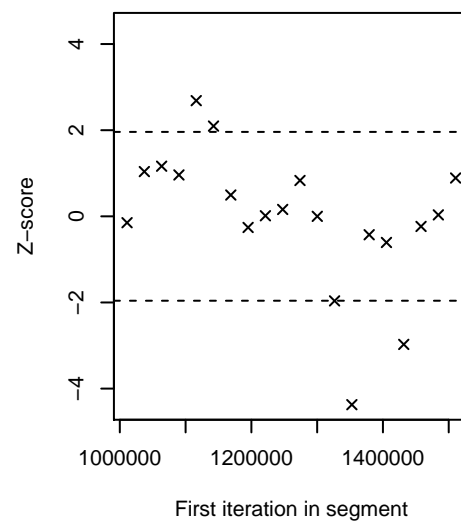
**N.ya[4,2] (chain3)**



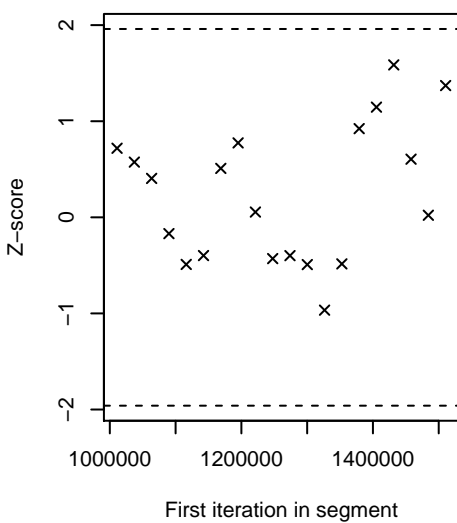
**N.ya[5,2] (chain3)**



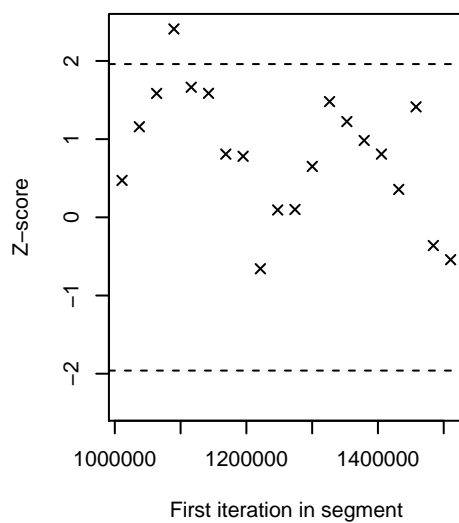
**N.ya[6,2] (chain3)**



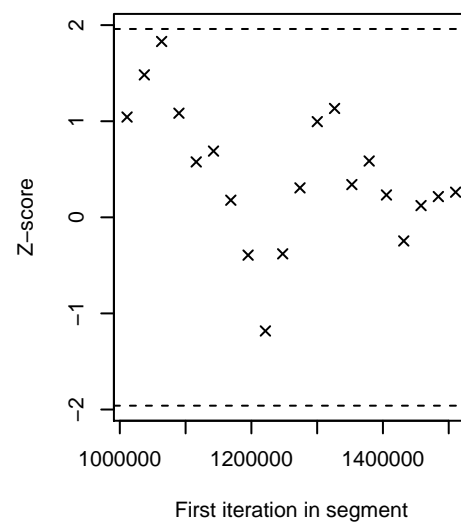
**N.ya[7,2] (chain3)**



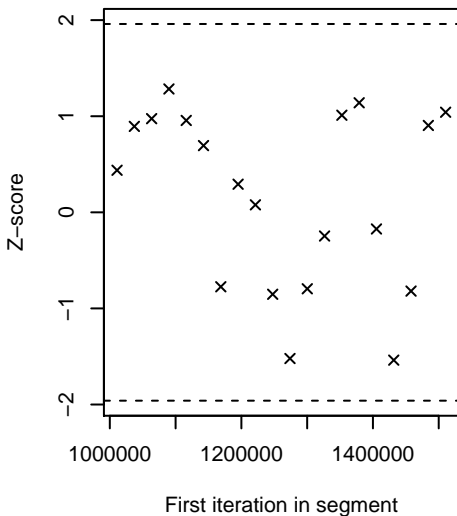
**N.ya[8,2] (chain3)**



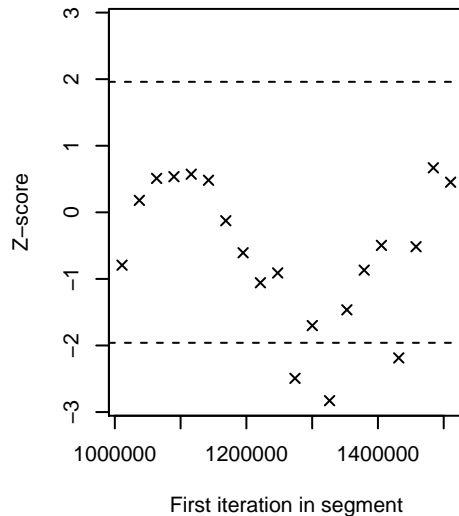
**N.ya[9,2] (chain3)**



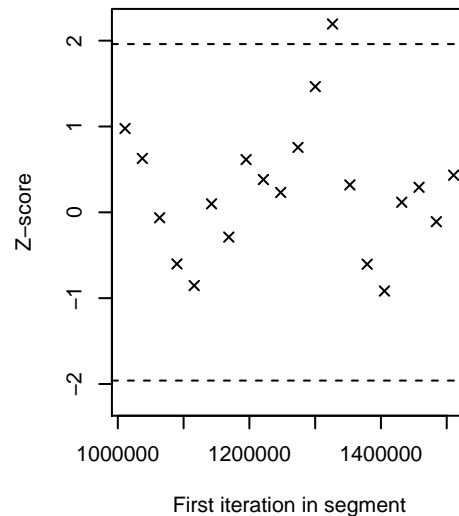
**N.ya[10,2] (chain3)**



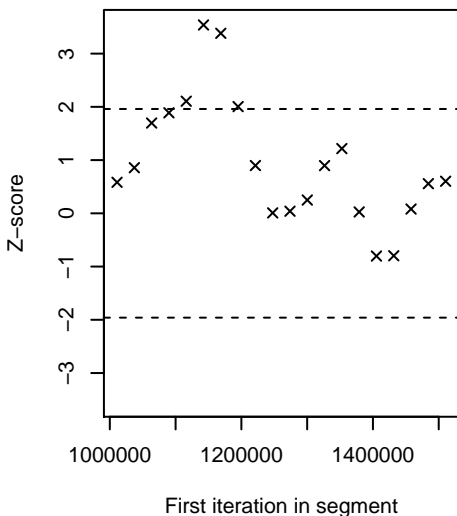
**N.ya[11,2] (chain3)**



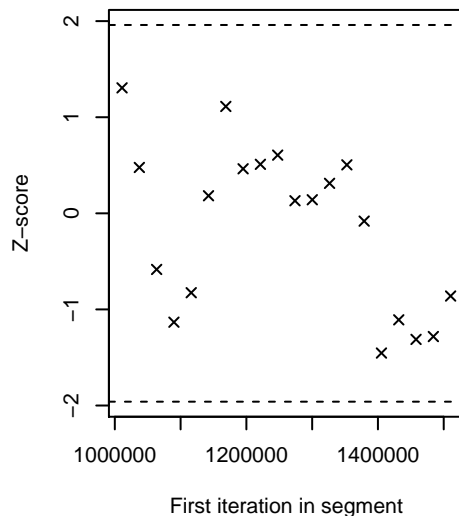
**N.ya[12,2] (chain3)**



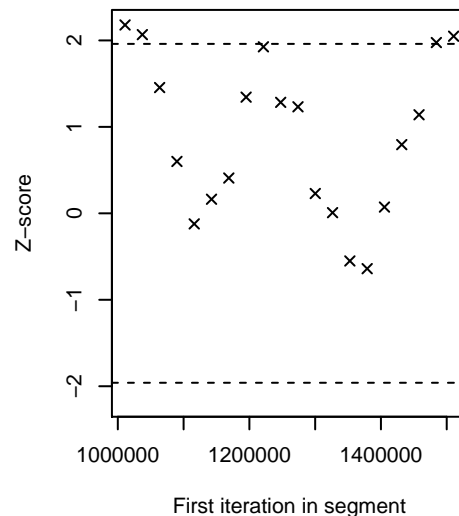
**N.ya[13,2] (chain3)**



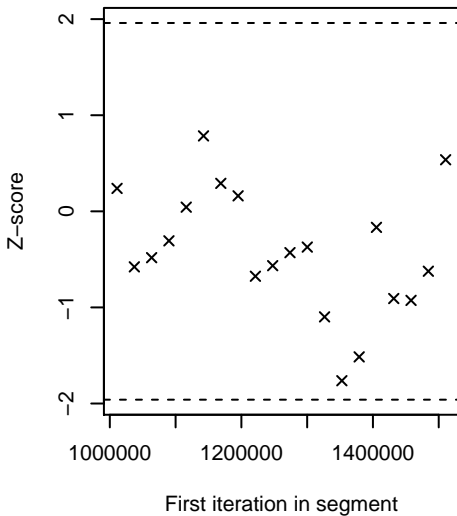
**N.ya[14,2] (chain3)**



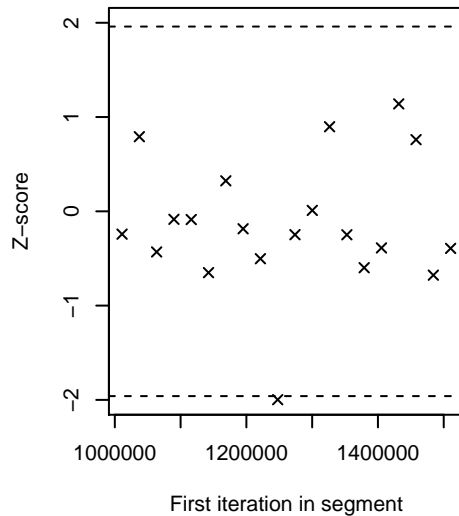
**N.ya[15,2] (chain3)**



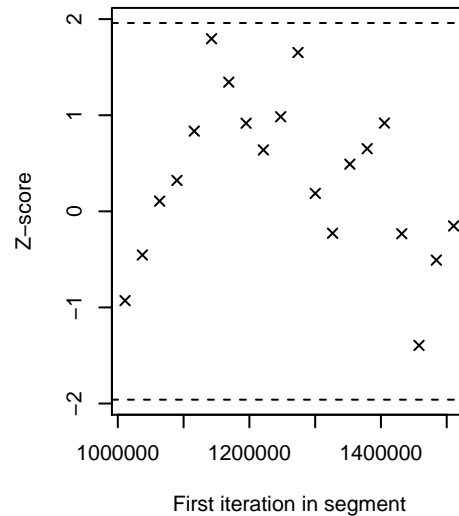
**N.ya[16,2] (chain3)**



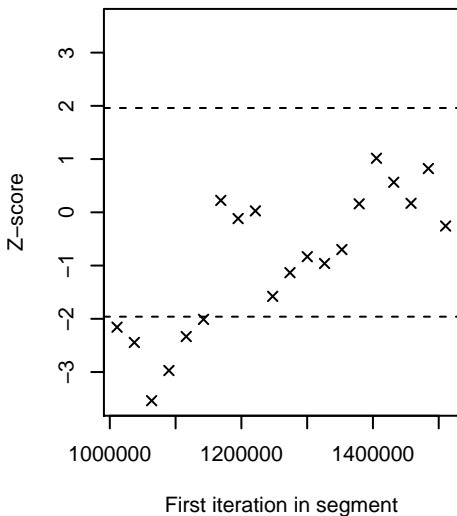
**N.ya[17,2] (chain3)**



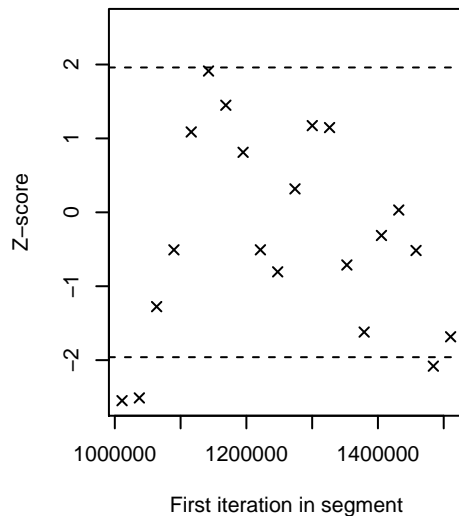
**N.ya[18,2] (chain3)**



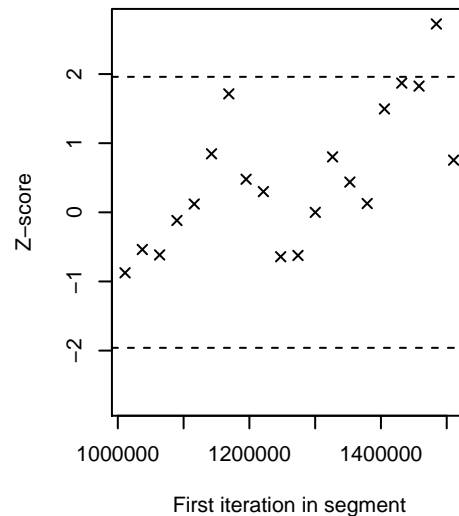
**N.ya[19,2] (chain3)**



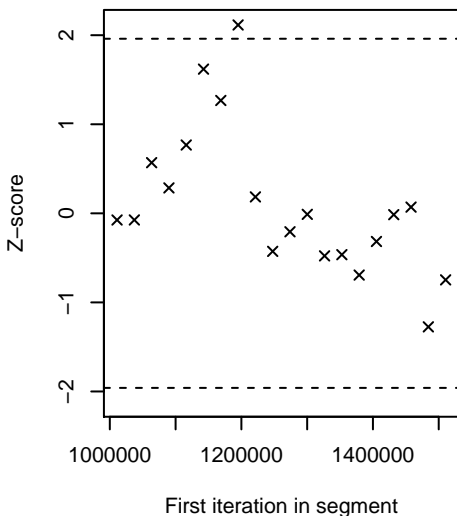
**N.ya[20,2] (chain3)**



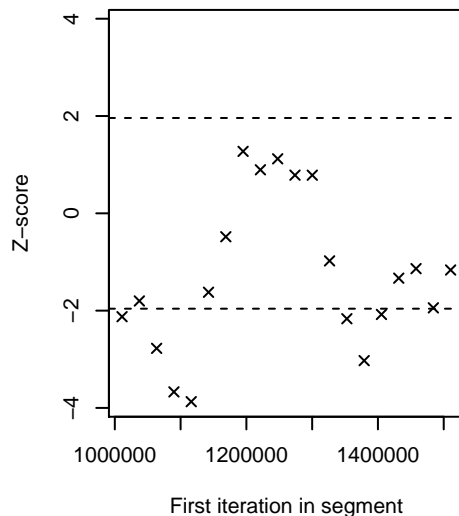
**N.ya[21,2] (chain3)**



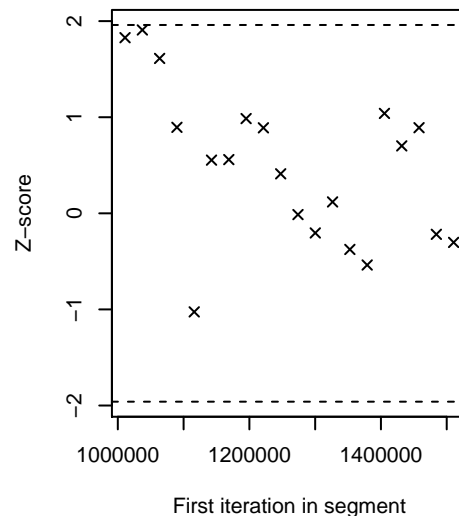
**N.ya[22,2] (chain3)**



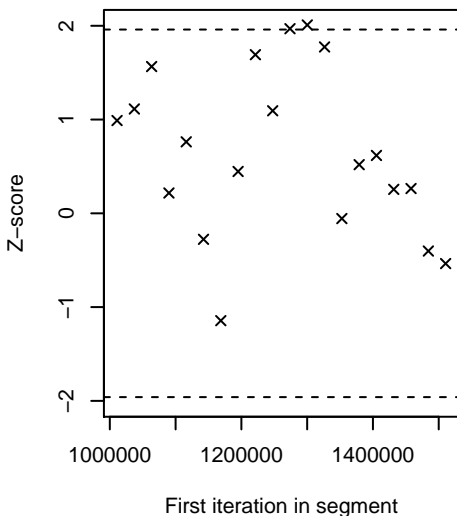
**N.ya[23,2] (chain3)**



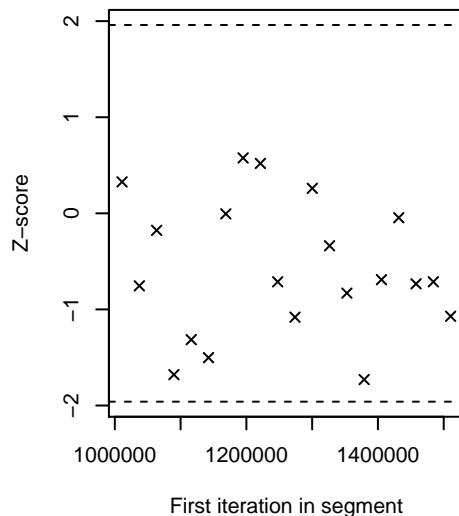
**N.ya[24,2] (chain3)**



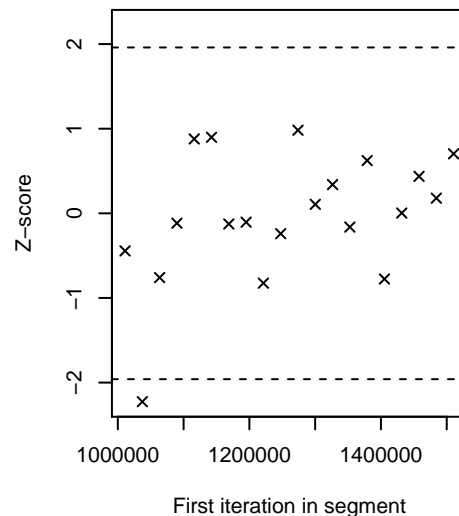
**N.ya[25,2] (chain3)**



**N.ya[26,2] (chain3)**

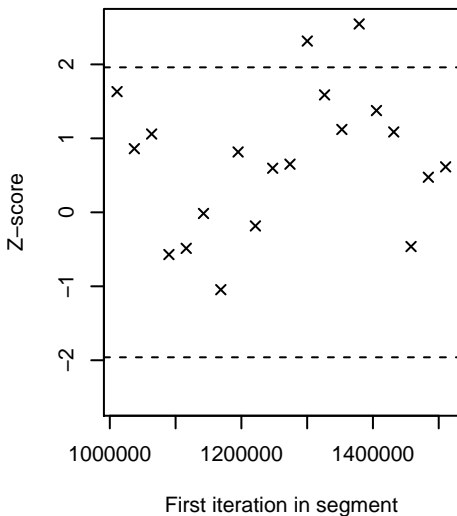


**N.ya[27,2] (chain3)**

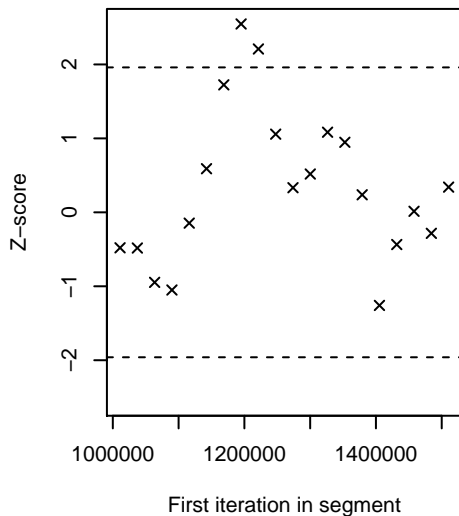




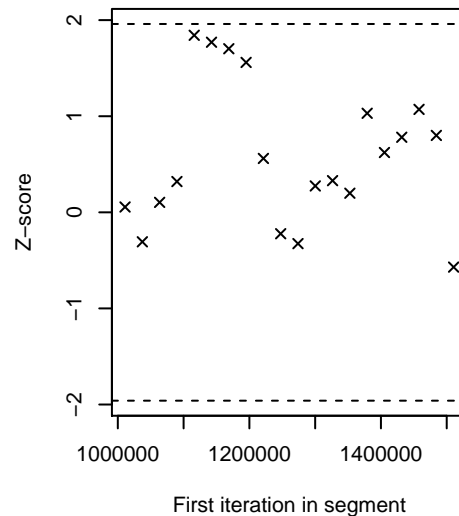
**N.ya[28,2] (chain3)**



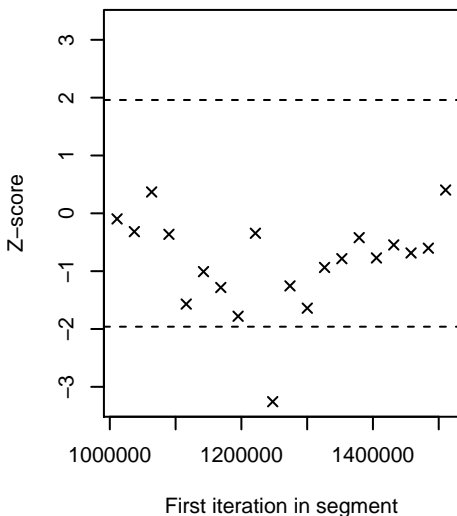
**N.ya[29,2] (chain3)**



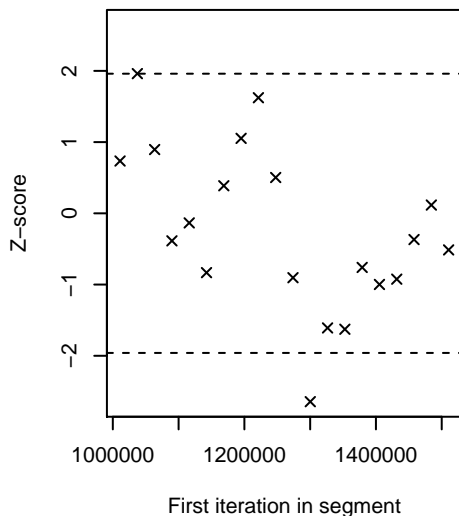
**N.ya[30,2] (chain3)**



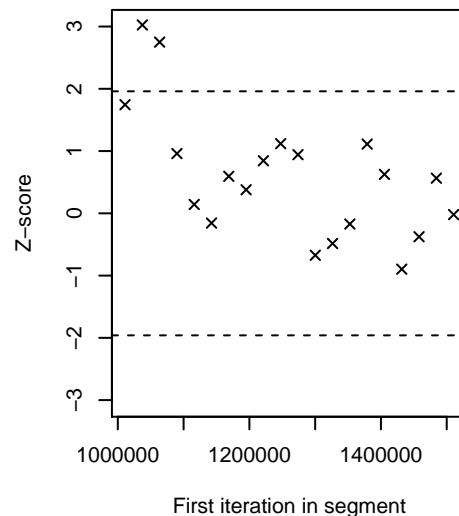
**N.ya[31,2] (chain3)**



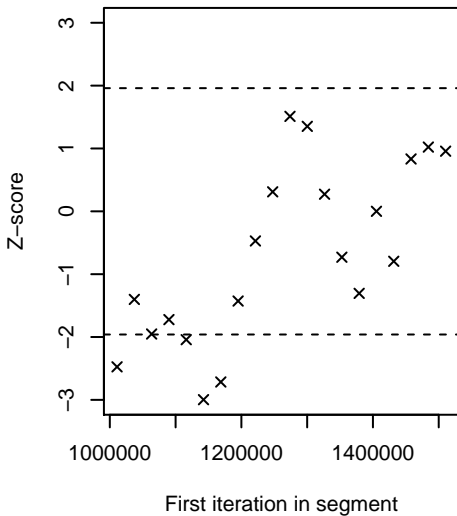
**N.ya[32,2] (chain3)**



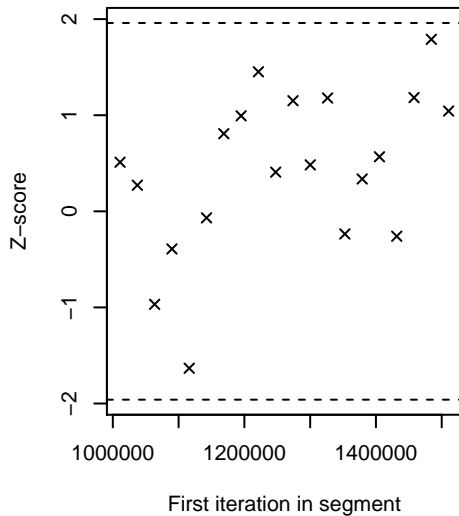
**N.ya[33,2] (chain3)**



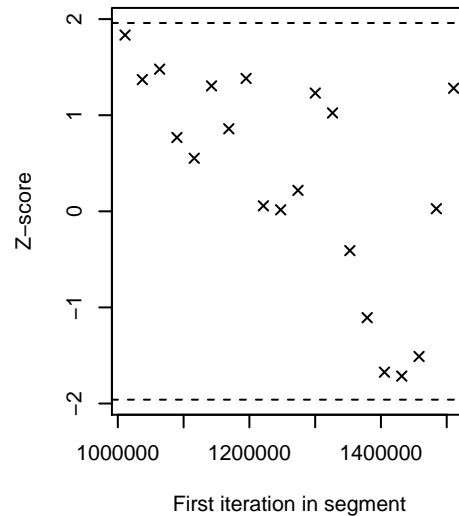
**N.ya[34,2] (chain3)**



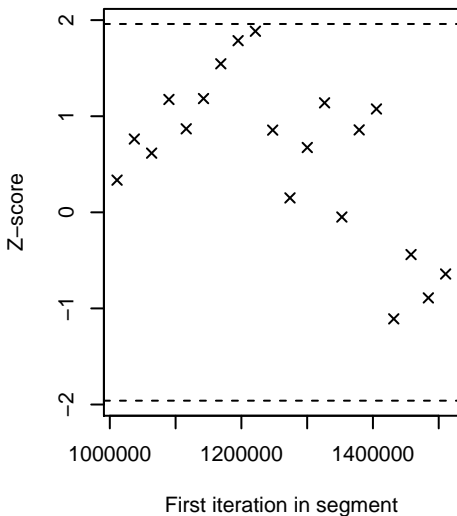
**N.ya[35,2] (chain3)**



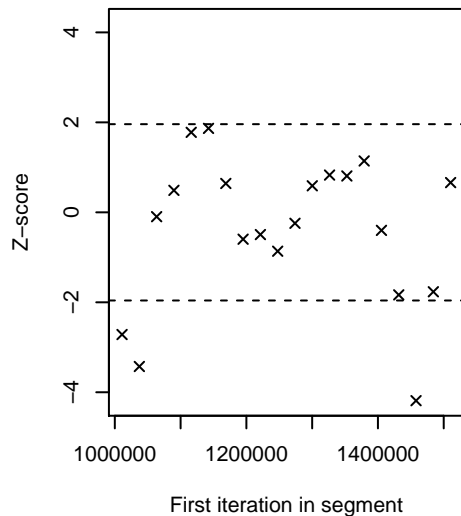
**N.ya[36,2] (chain3)**



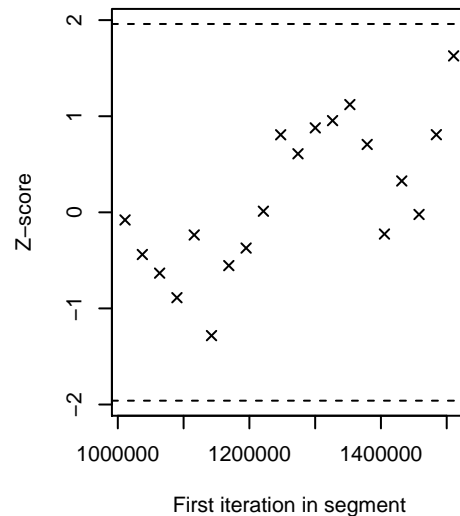
**N.ya[37,2] (chain3)**



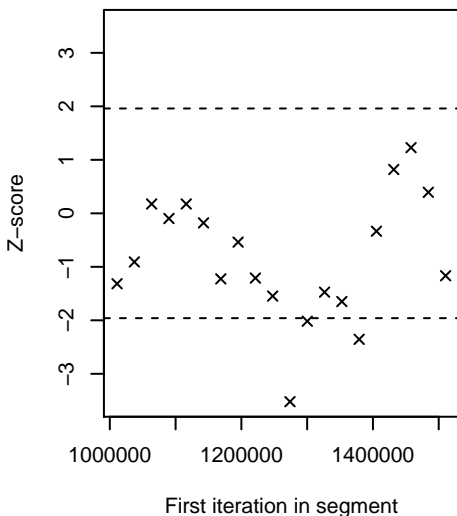
**N.ya[1,3] (chain3)**



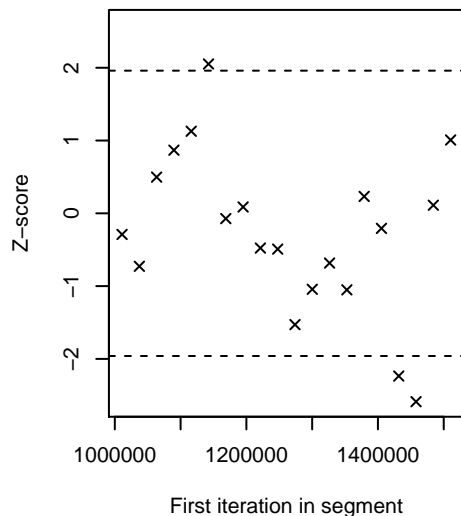
**N.ya[2,3] (chain3)**



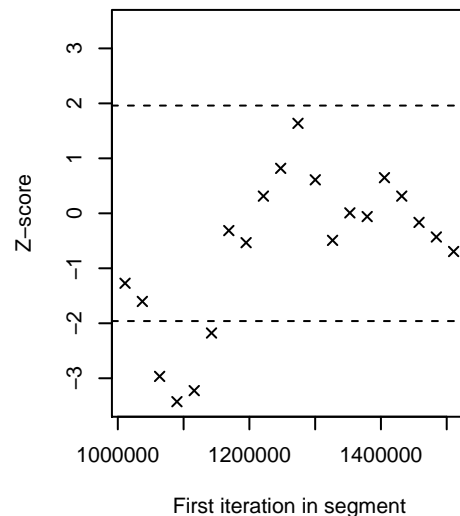
**N.ya[3,3] (chain3)**



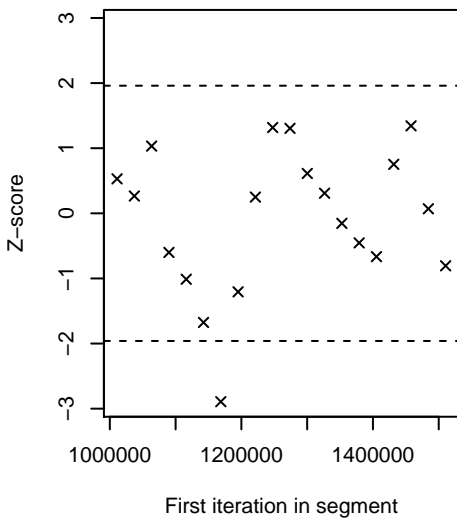
**N.ya[4,3] (chain3)**



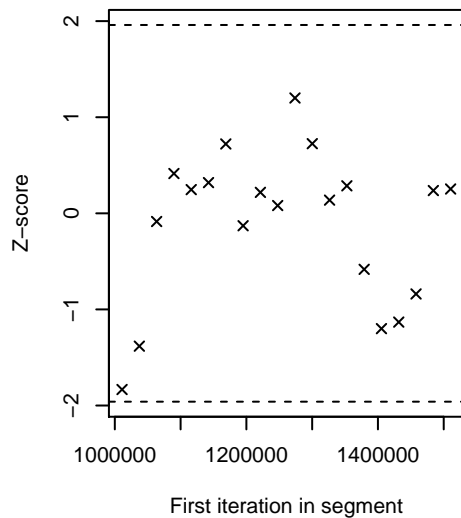
**N.ya[5,3] (chain3)**



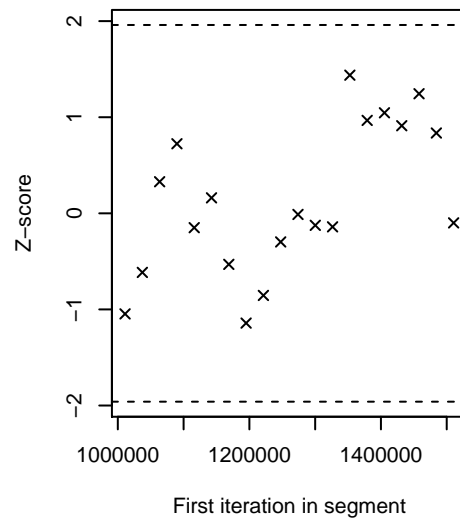
**N.ya[6,3] (chain3)**

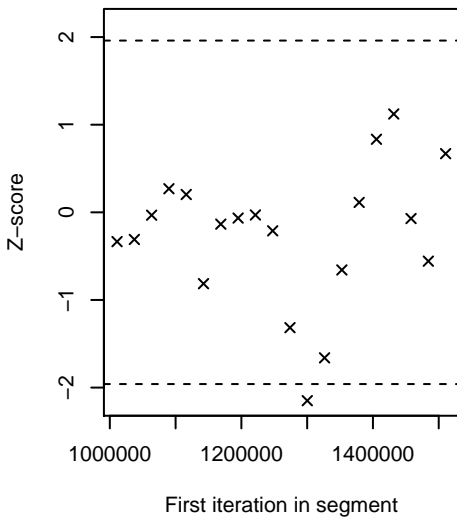
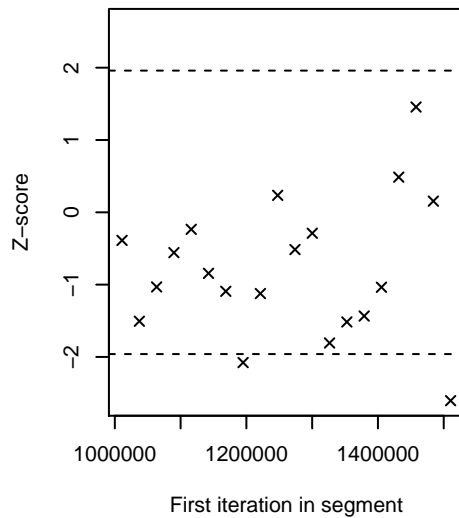
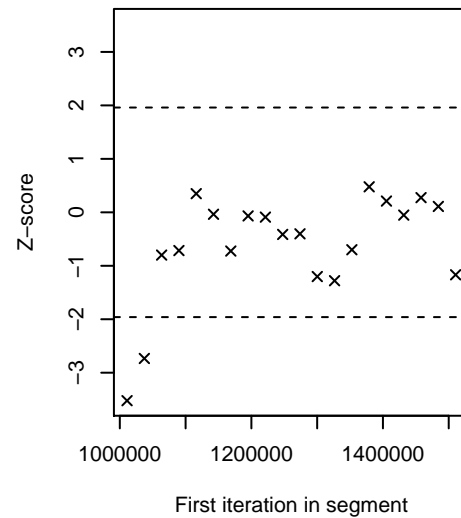
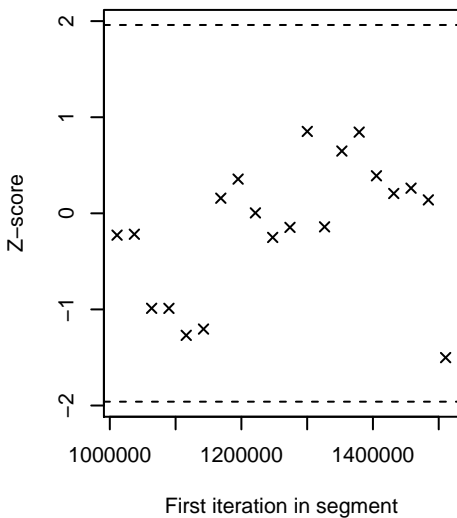
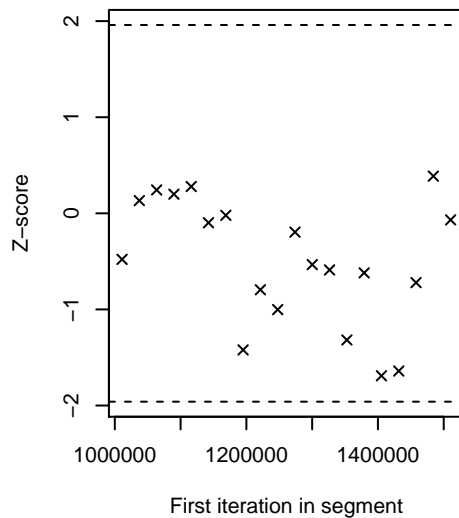
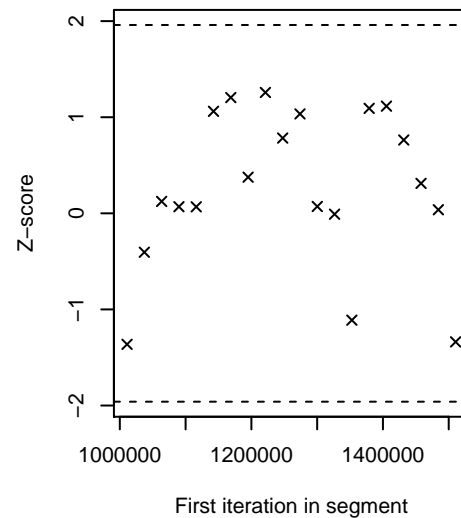
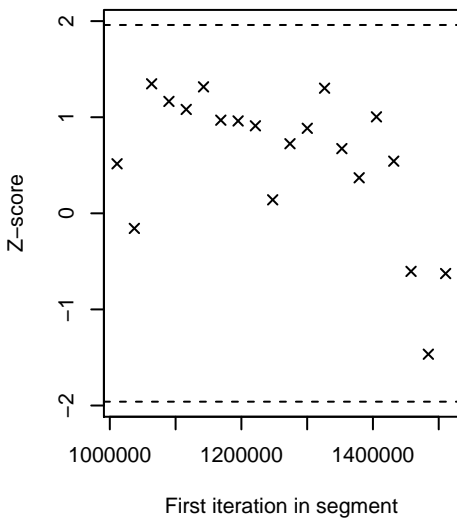
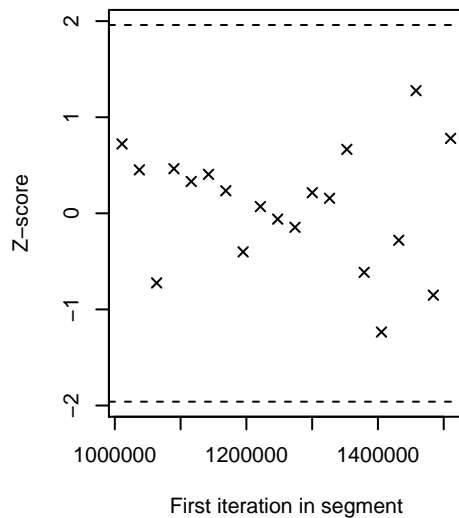
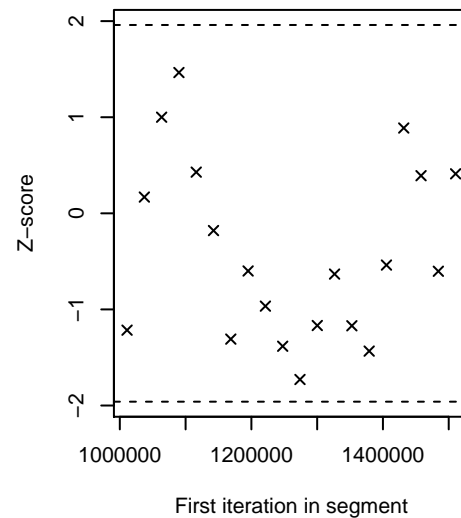


**N.ya[7,3] (chain3)**

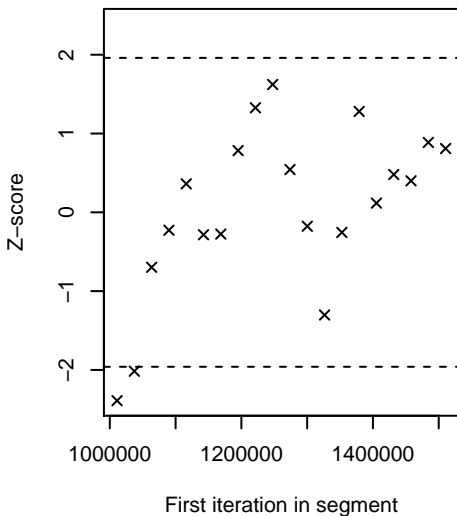


**N.ya[8,3] (chain3)**

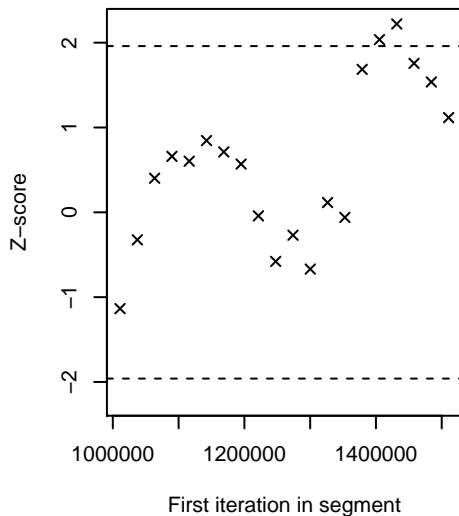


**N.ya[9,3] (chain3)****N.ya[10,3] (chain3)****N.ya[11,3] (chain3)****N.ya[12,3] (chain3)****N.ya[13,3] (chain3)****N.ya[14,3] (chain3)****N.ya[15,3] (chain3)****N.ya[16,3] (chain3)****N.ya[17,3] (chain3)**

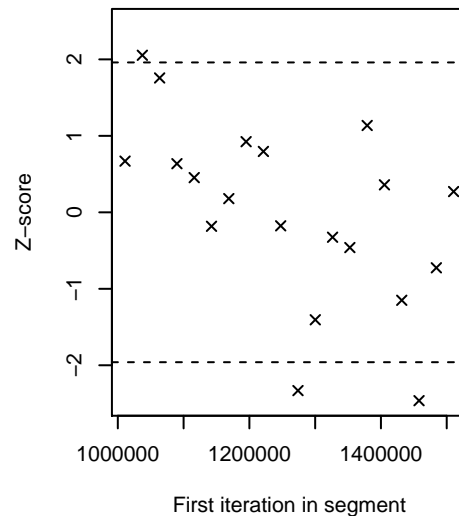
**N.ya[18,3] (chain3)**



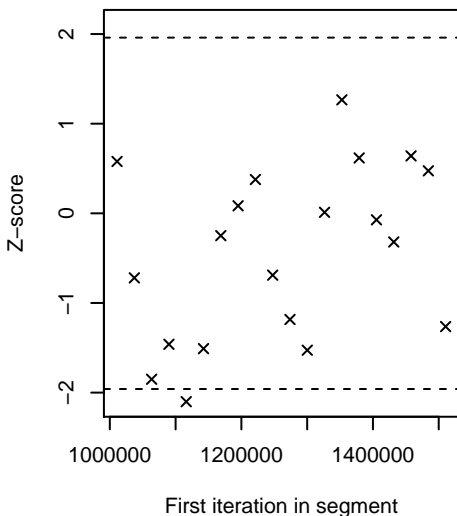
**N.ya[19,3] (chain3)**



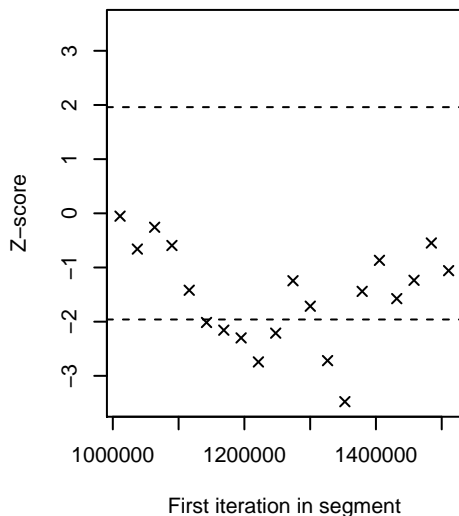
**N.ya[20,3] (chain3)**



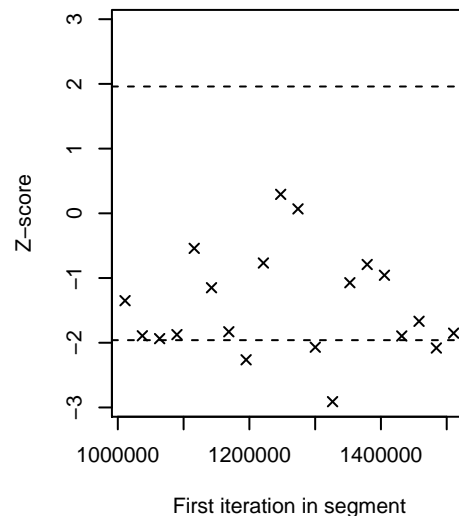
**N.ya[21,3] (chain3)**



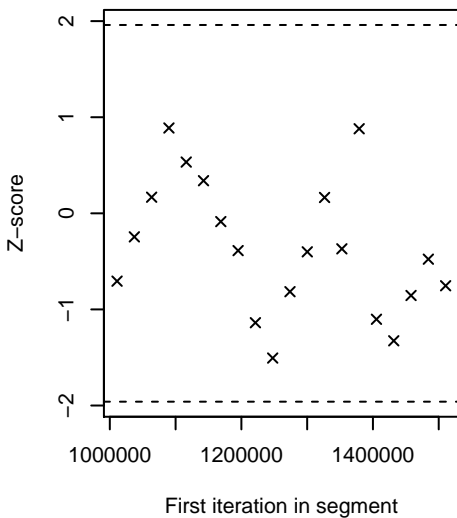
**N.ya[22,3] (chain3)**



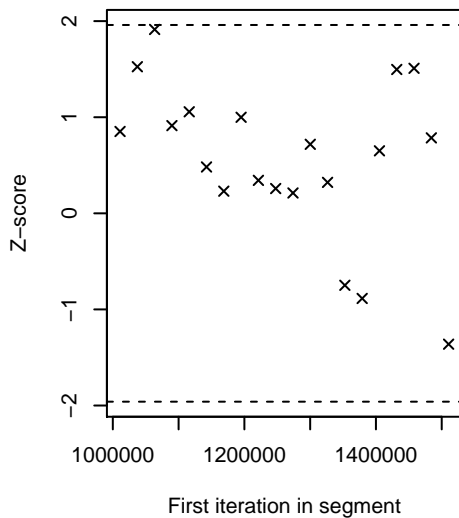
**N.ya[23,3] (chain3)**



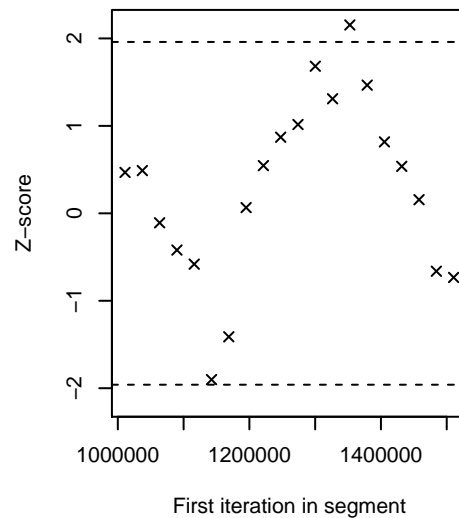
**N.ya[24,3] (chain3)**



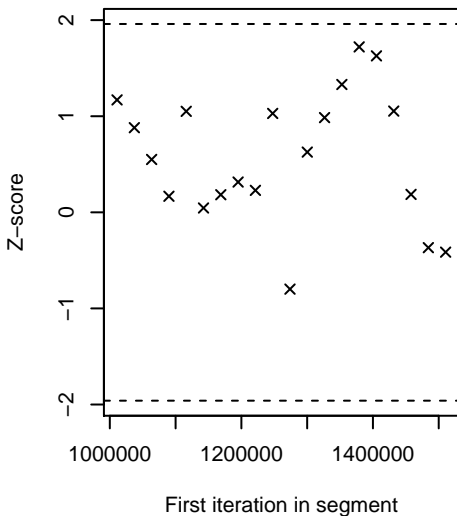
**N.ya[25,3] (chain3)**



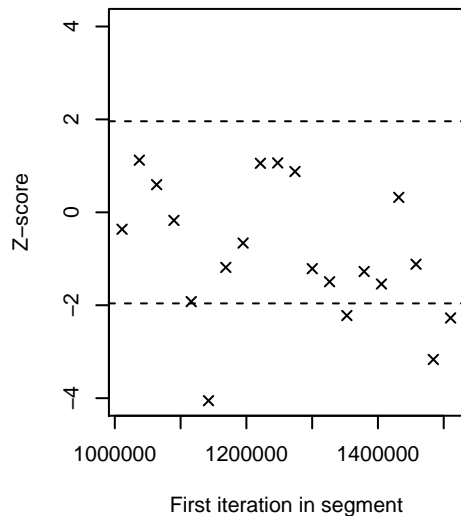
**N.ya[26,3] (chain3)**



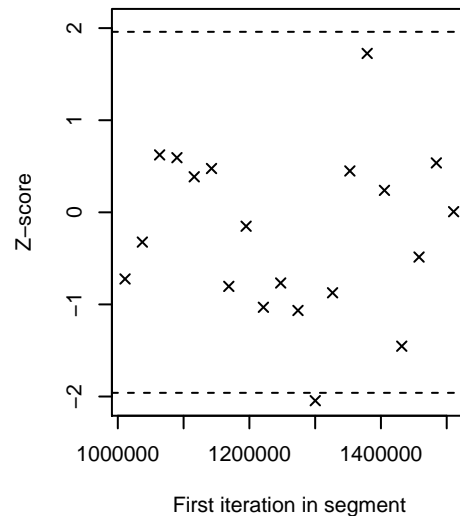
**N.ya[27,3] (chain3)**



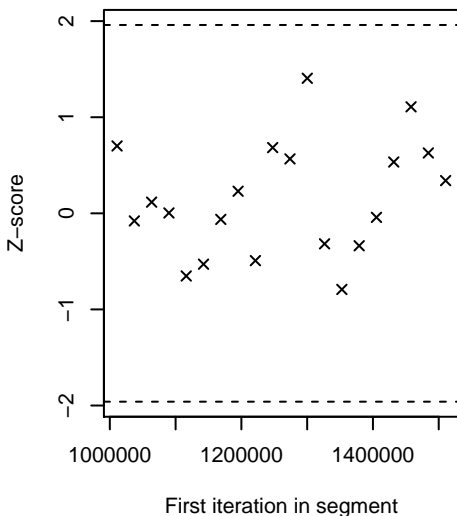
**N.ya[28,3] (chain3)**



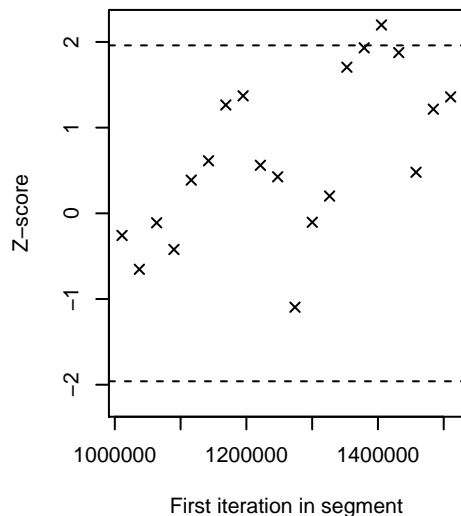
**N.ya[29,3] (chain3)**



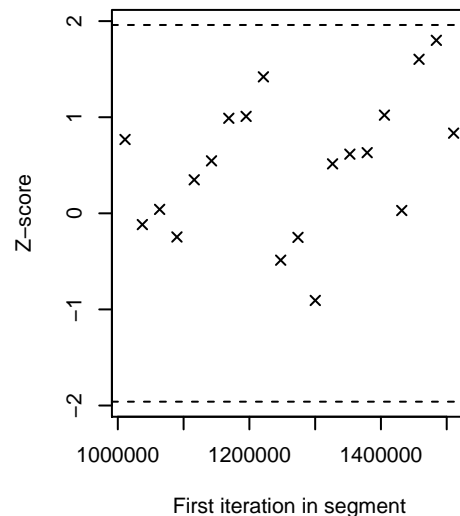
**N.ya[30,3] (chain3)**



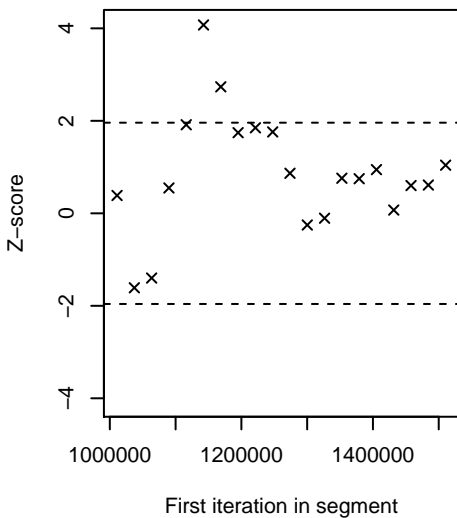
**N.ya[31,3] (chain3)**



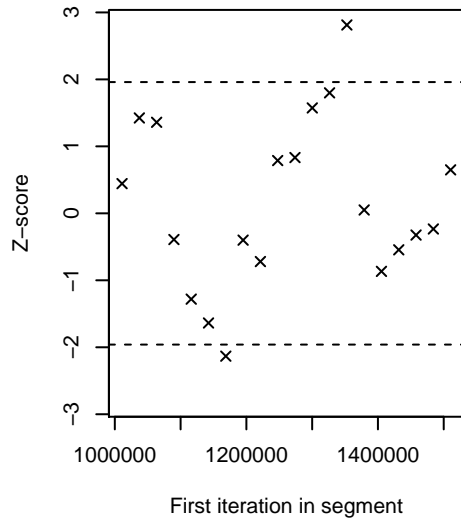
**N.ya[32,3] (chain3)**



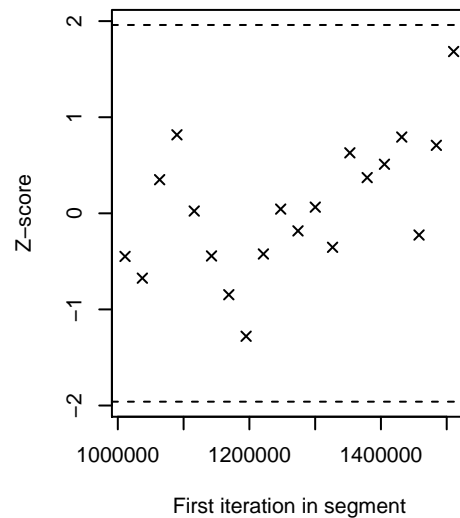
**N.ya[33,3] (chain3)**

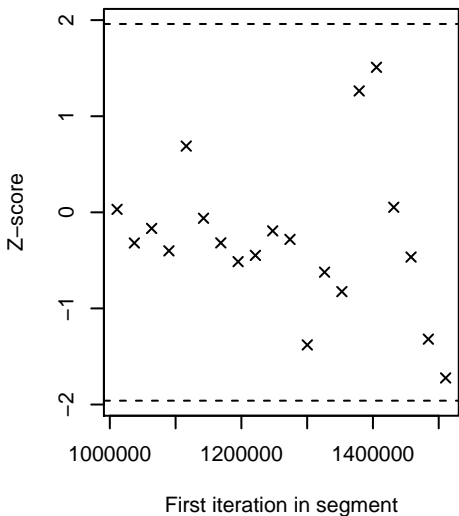
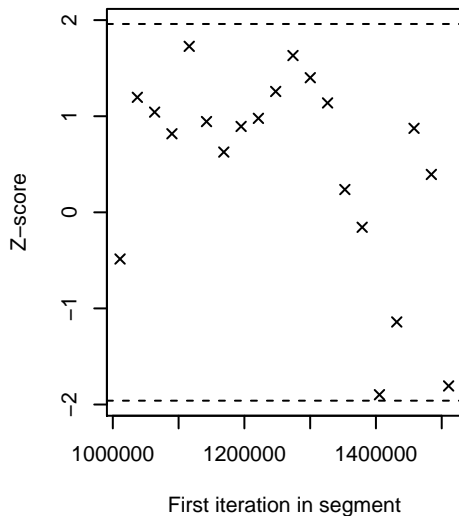
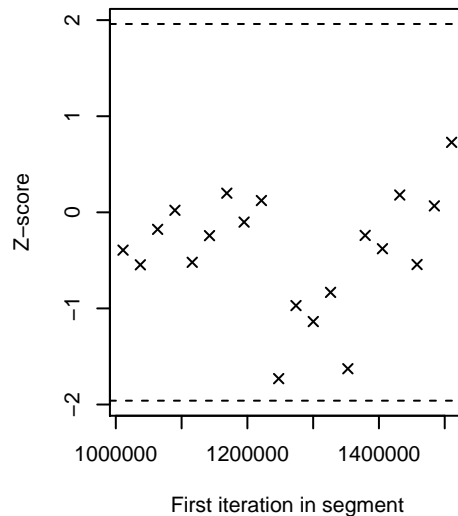
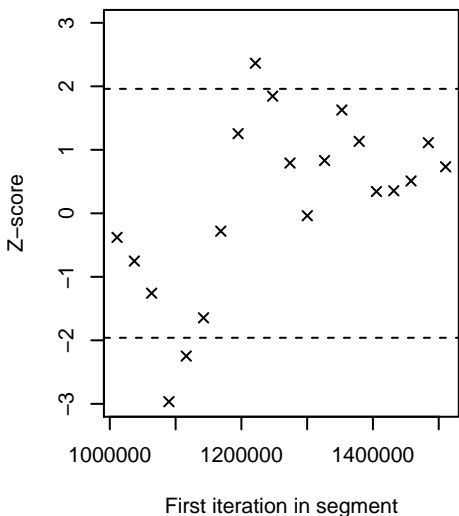
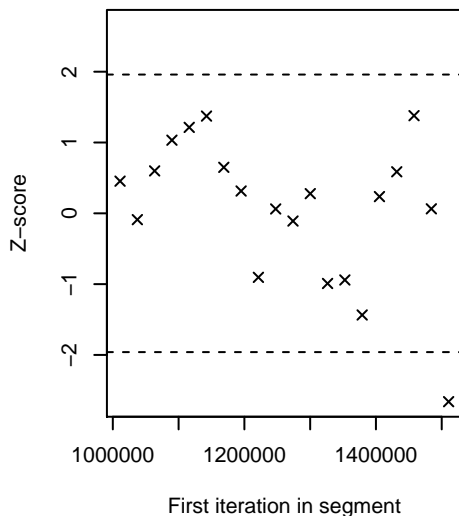
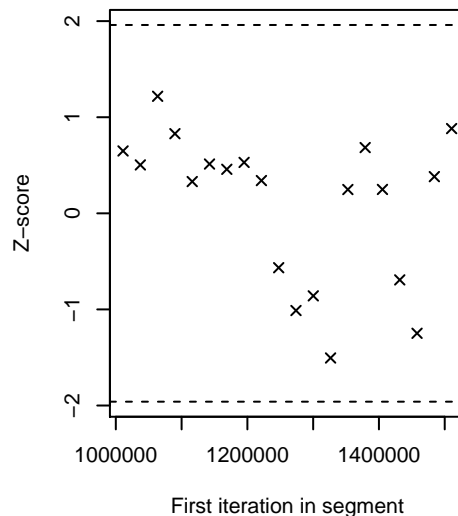
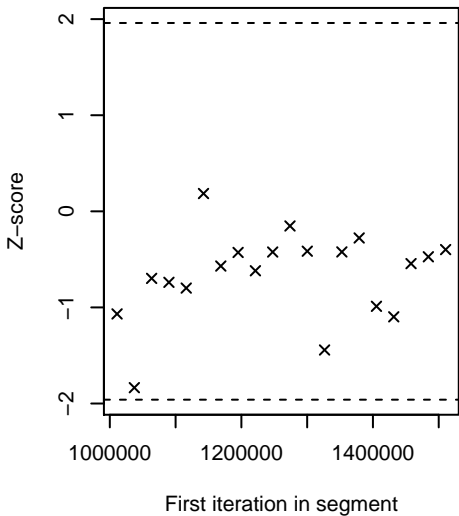
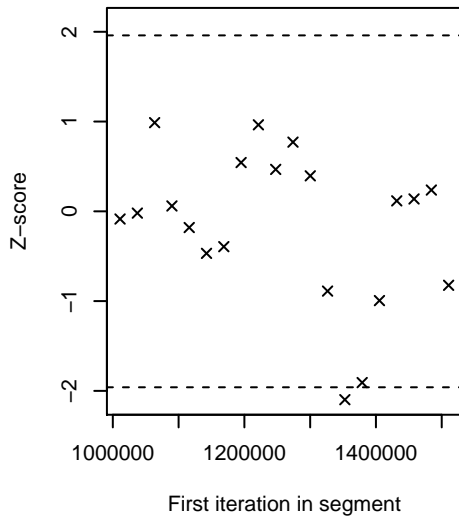
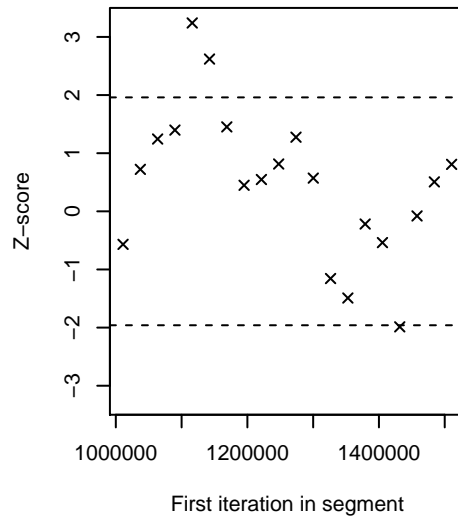


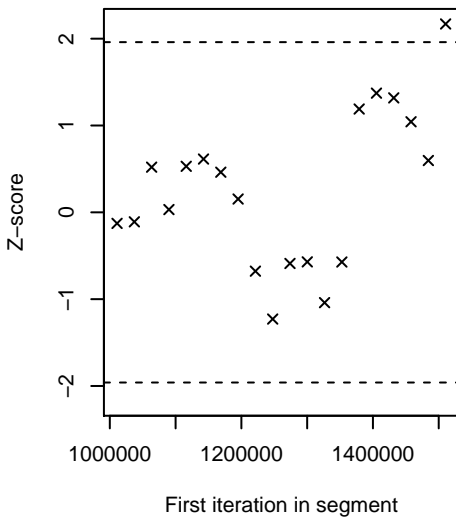
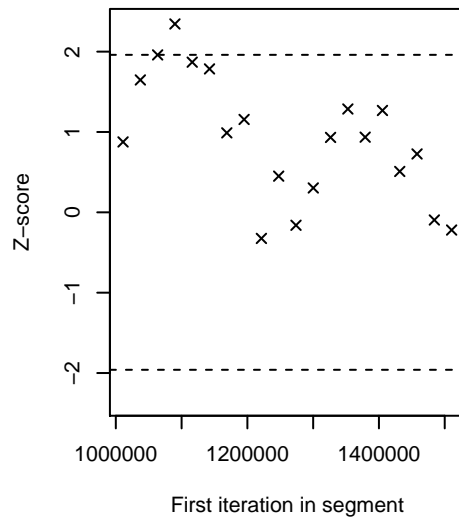
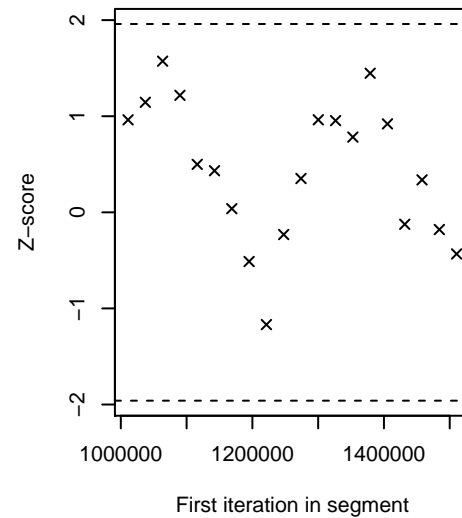
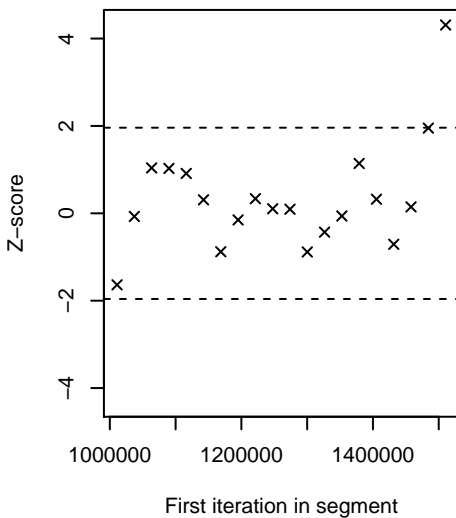
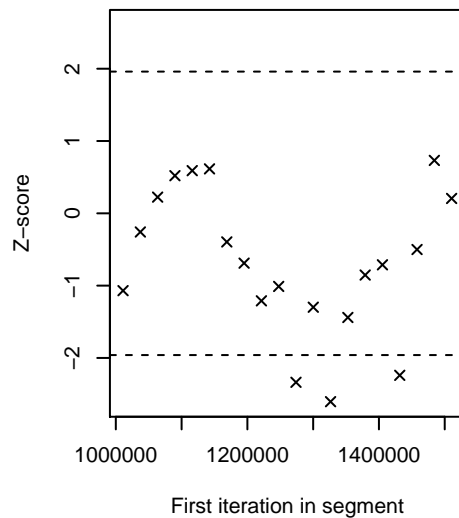
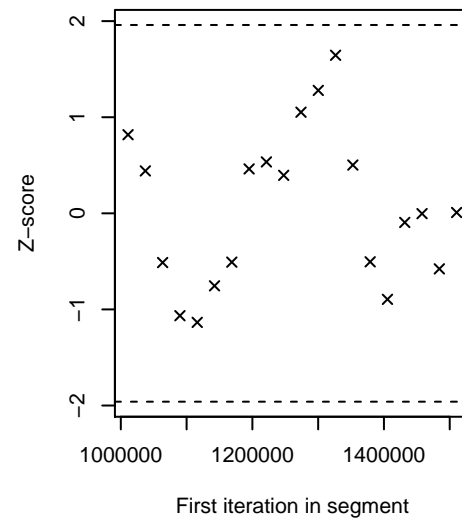
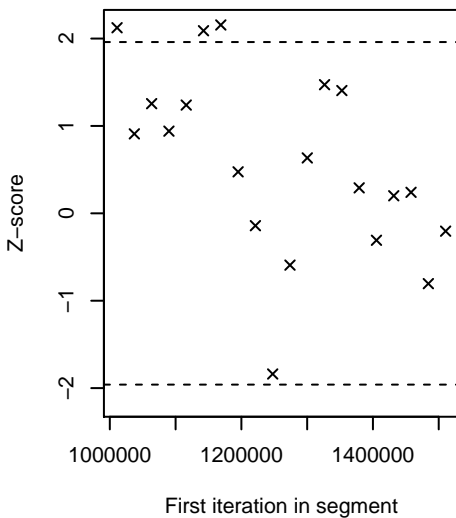
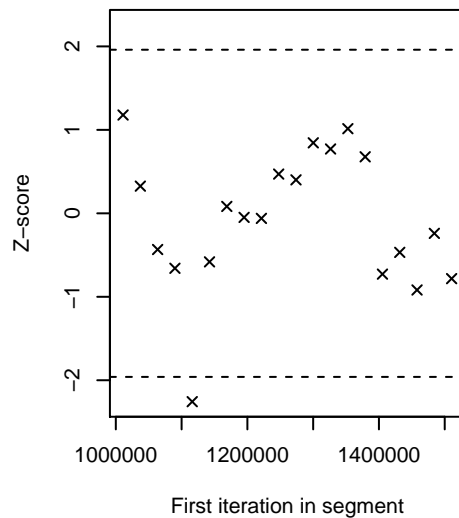
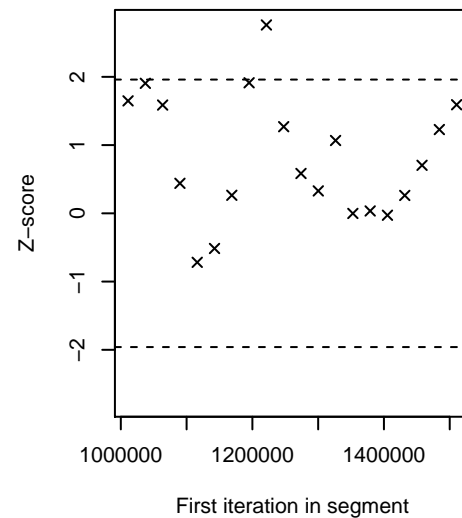
**N.ya[34,3] (chain3)**

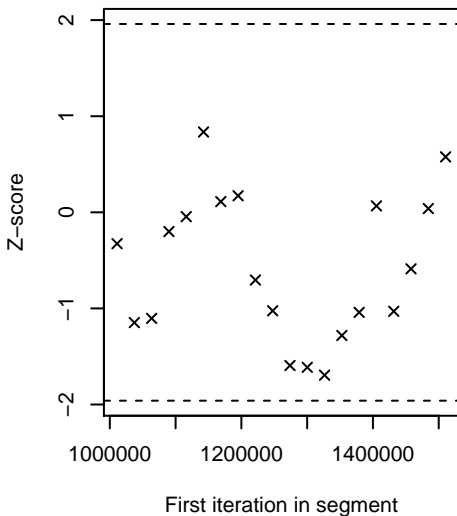
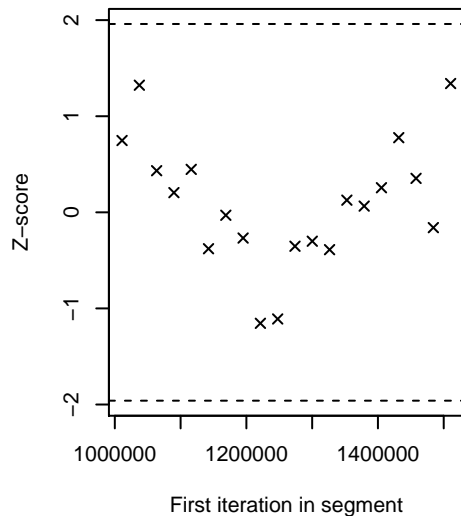
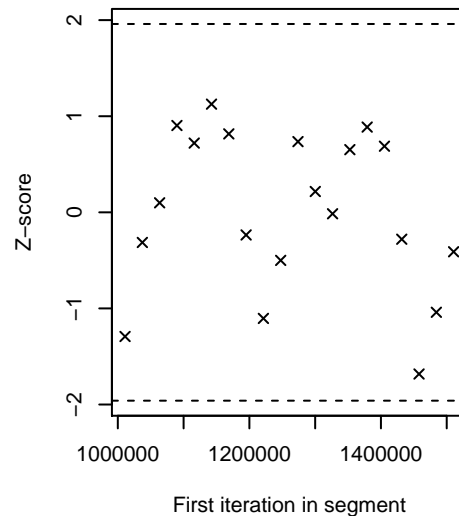
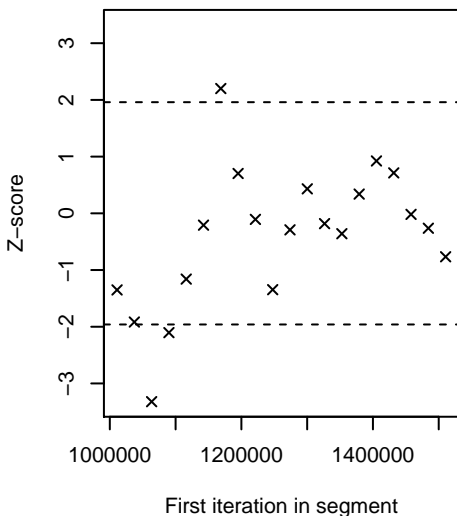
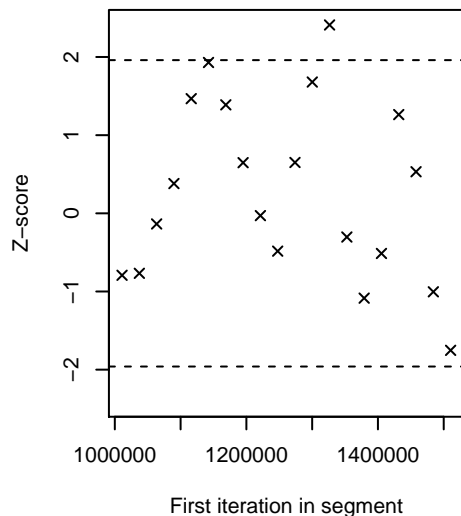
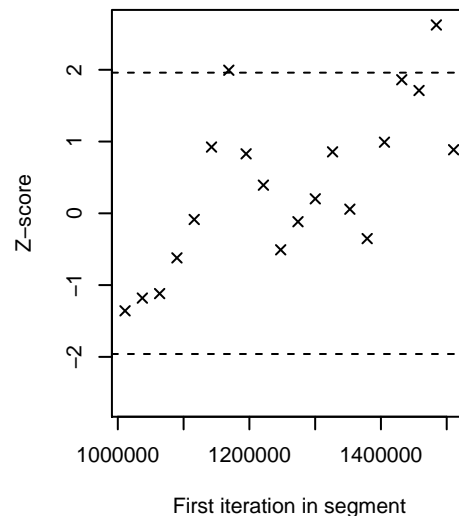
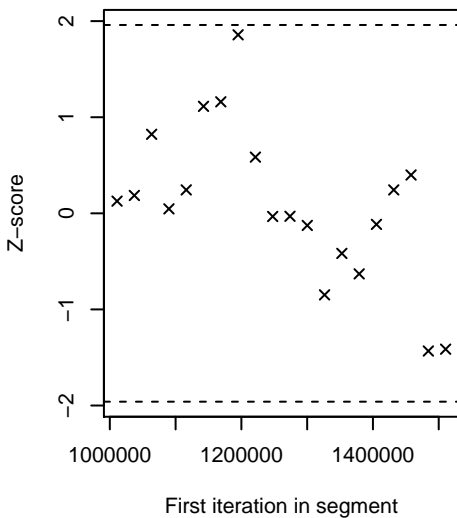
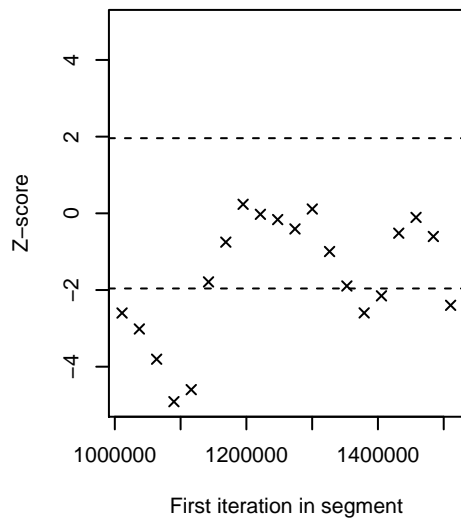
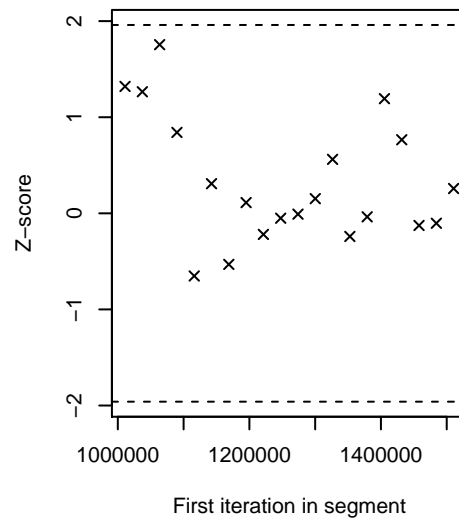


**N.ya[35,3] (chain3)**

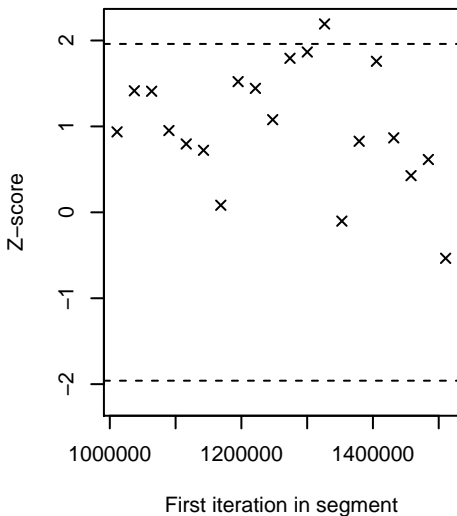
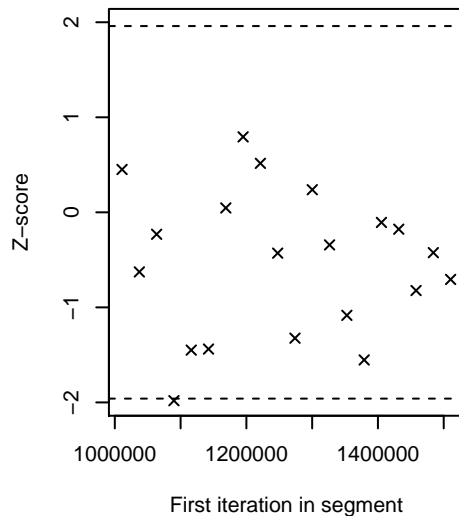
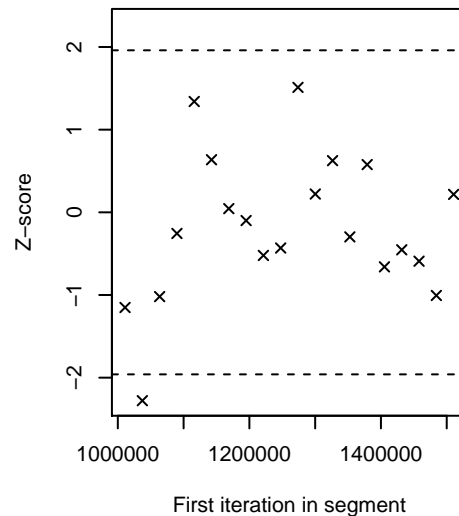
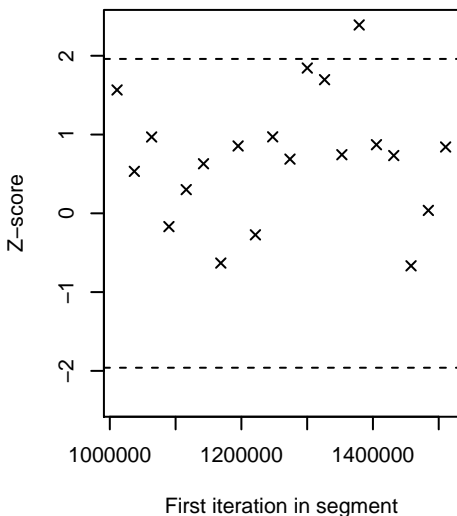
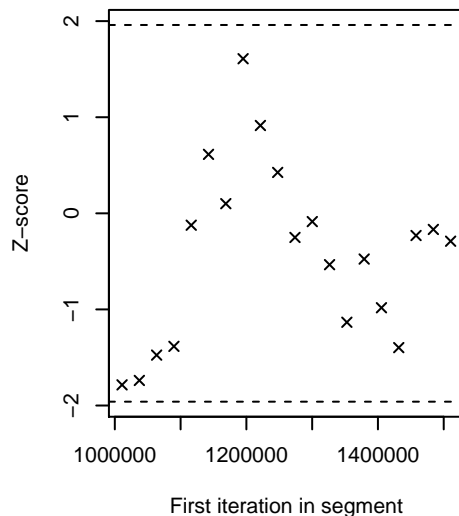
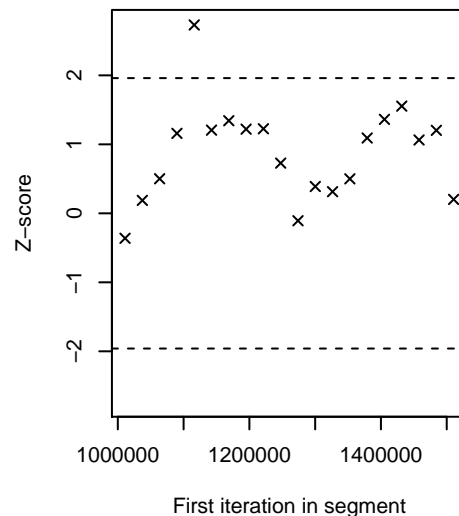
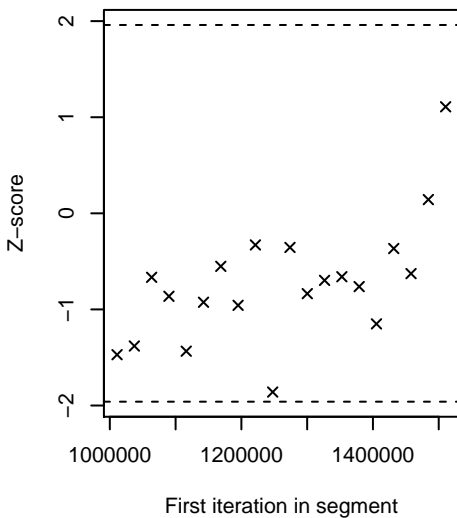
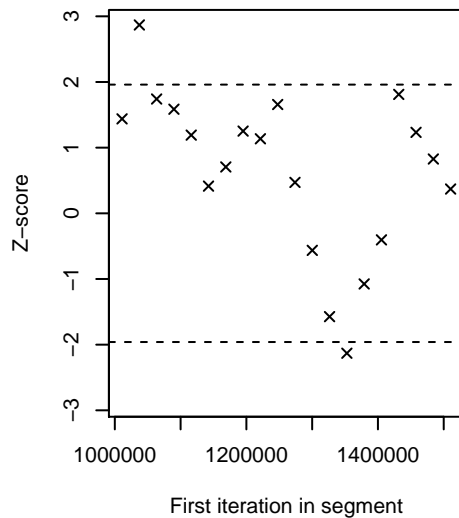
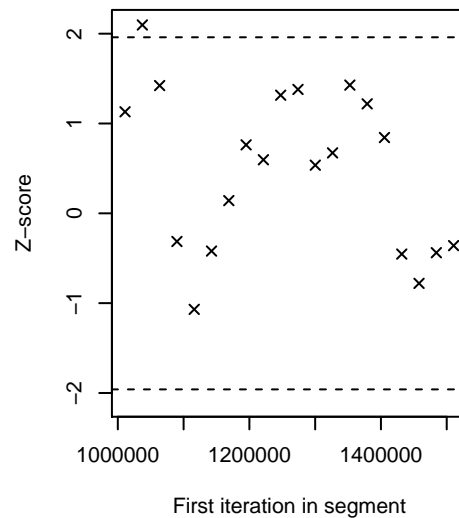


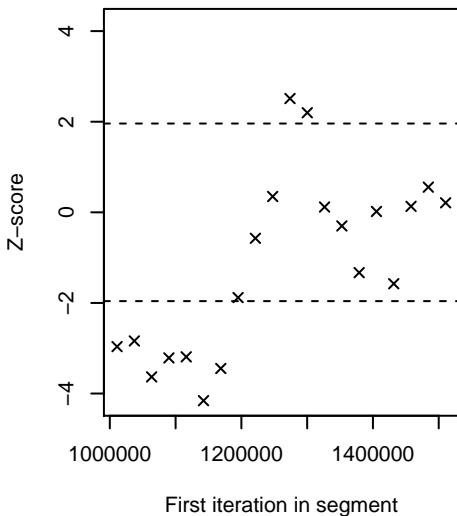
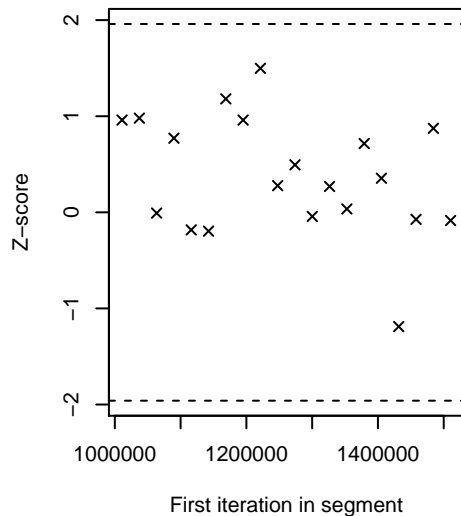
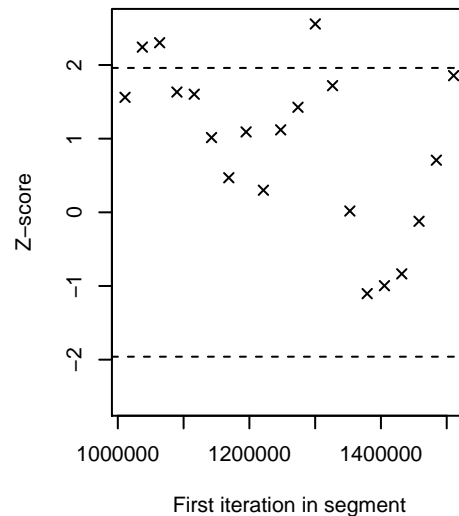
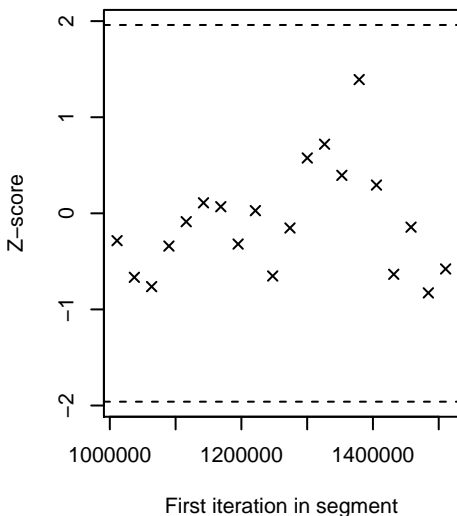
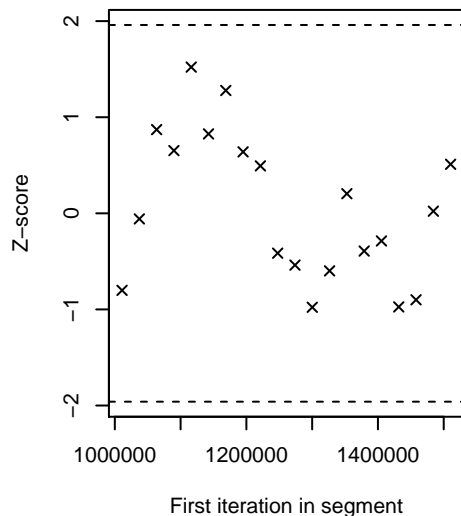
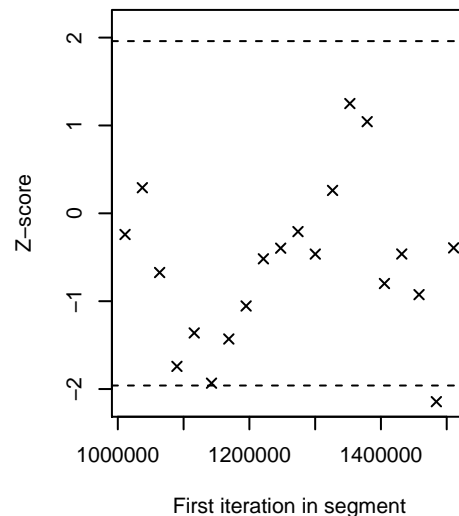
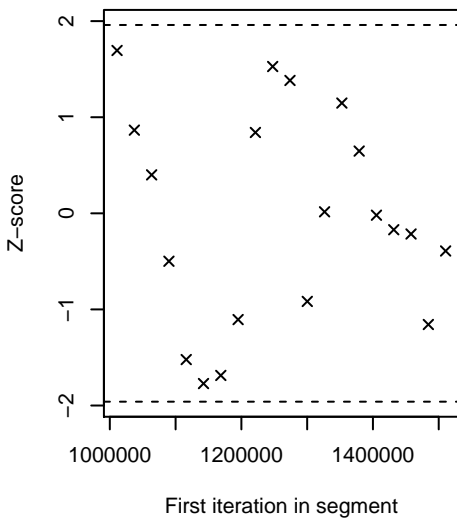
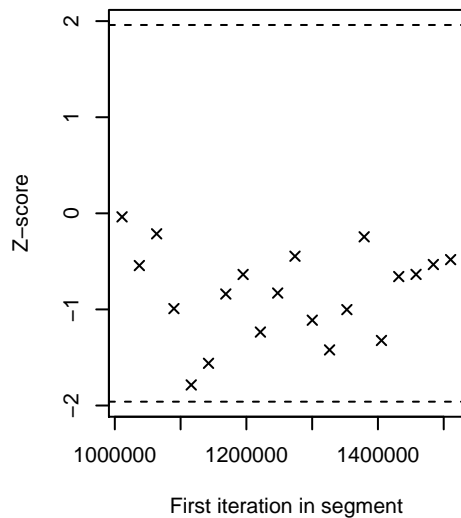
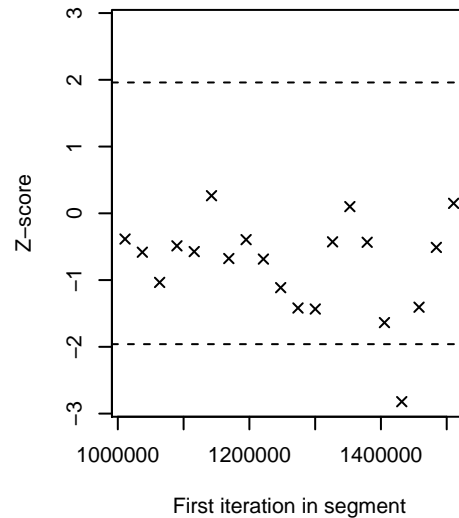
**N.ya[36,3] (chain3)****N.ya[37,3] (chain3)****R[1] (chain3)****R[2] (chain3)****R[3] (chain3)****R[4] (chain3)****R[5] (chain3)****R[6] (chain3)****R[7] (chain3)**

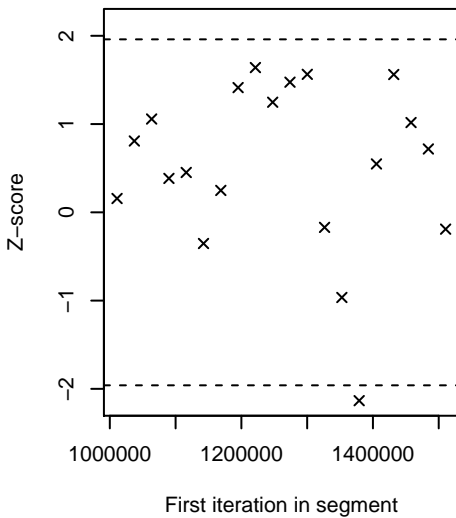
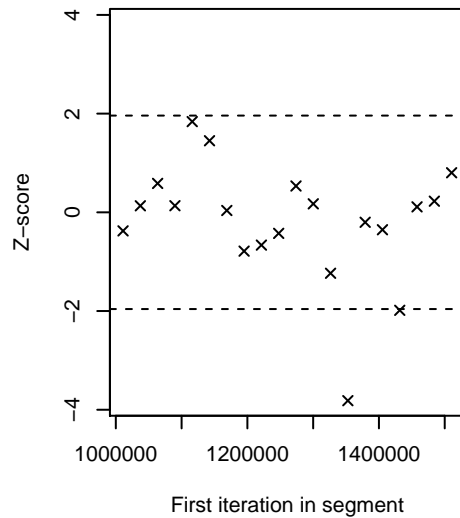
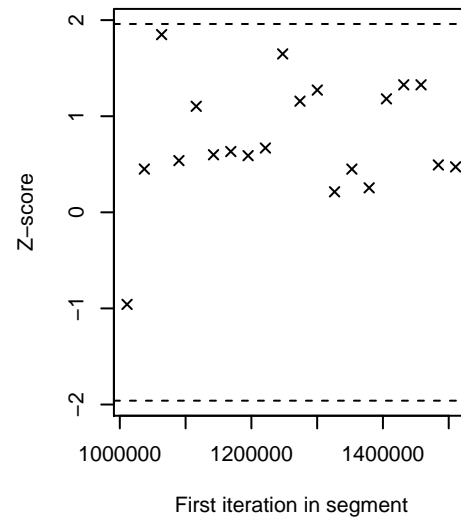
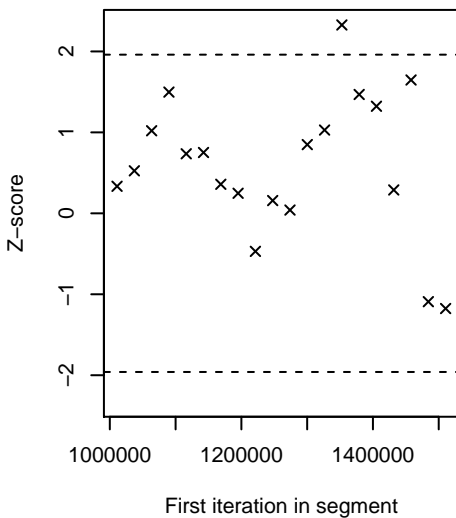
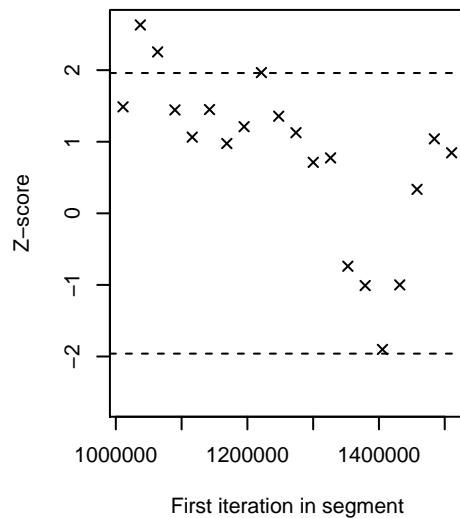
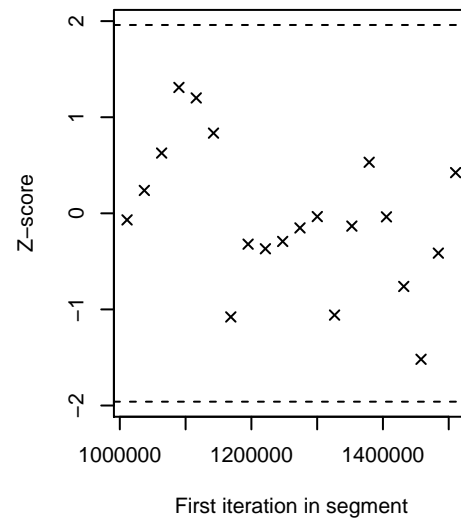
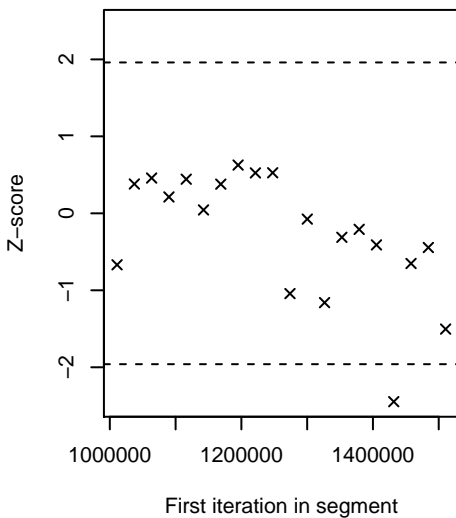
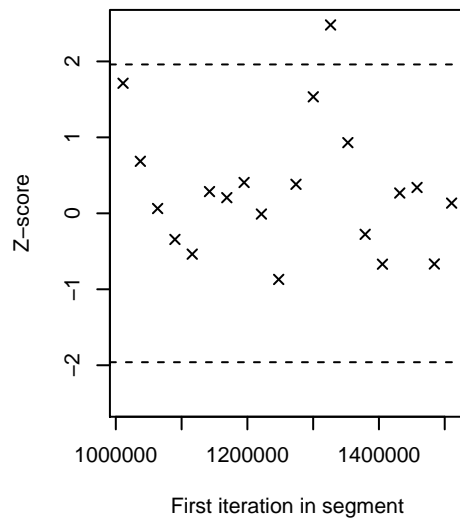
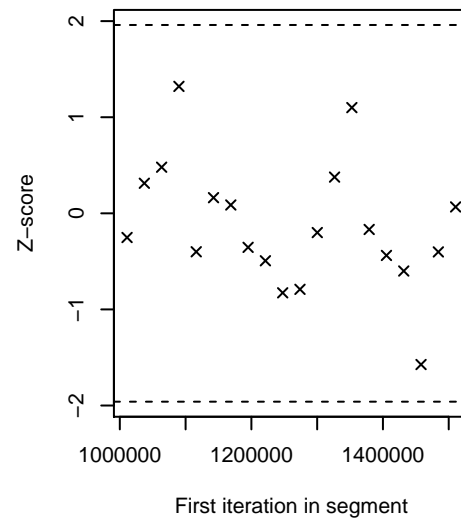
**R[8] (chain3)****R[9] (chain3)****R[10] (chain3)****R[11] (chain3)****R[12] (chain3)****R[13] (chain3)****R[14] (chain3)****R[15] (chain3)****R[16] (chain3)**

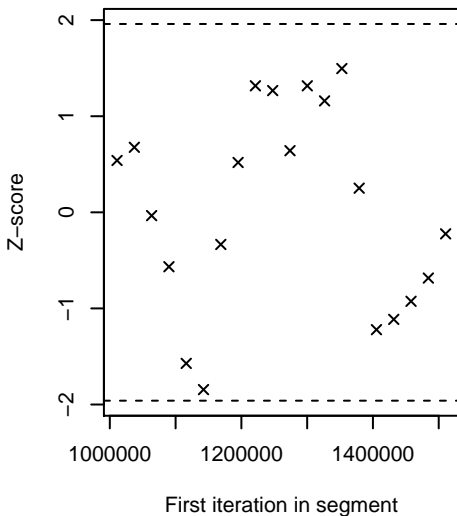
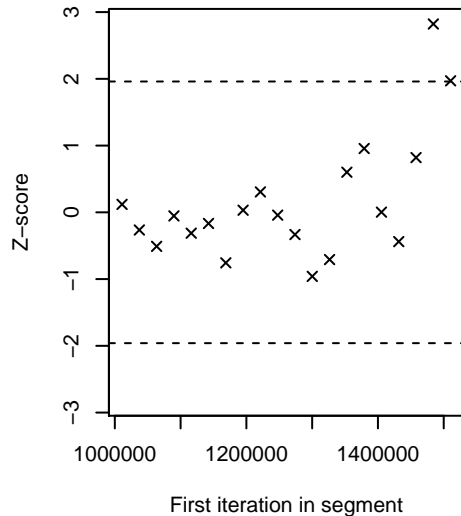
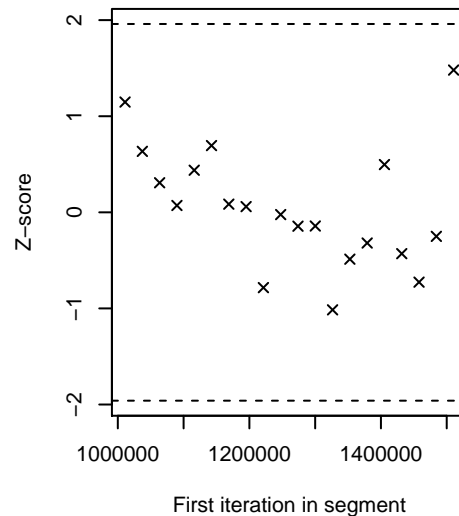
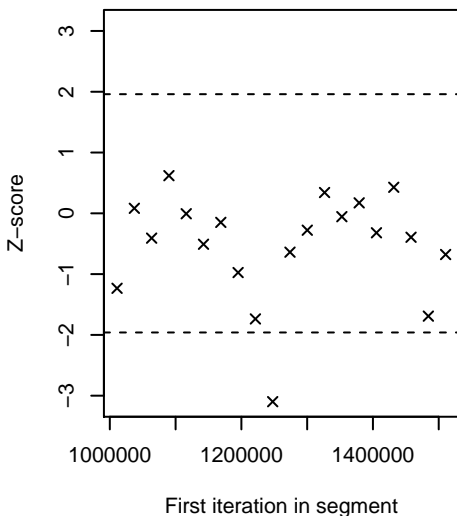
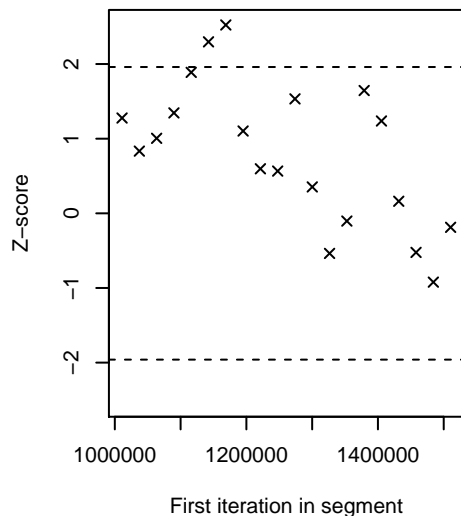
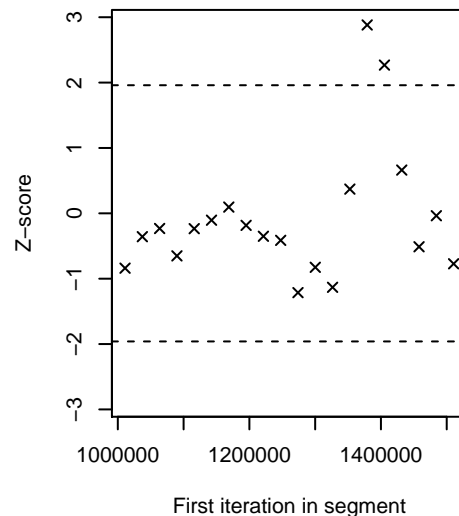
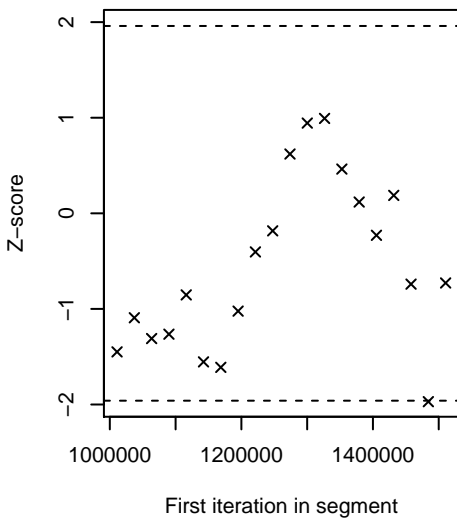
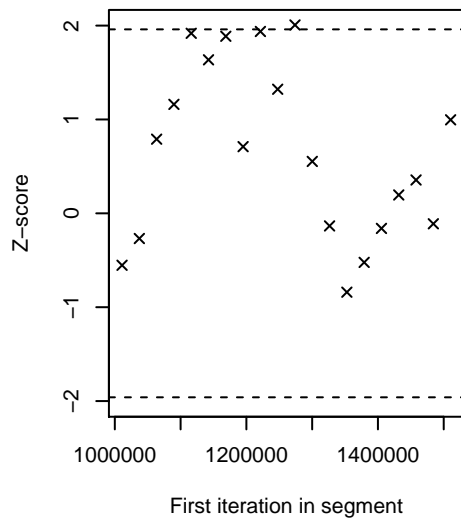
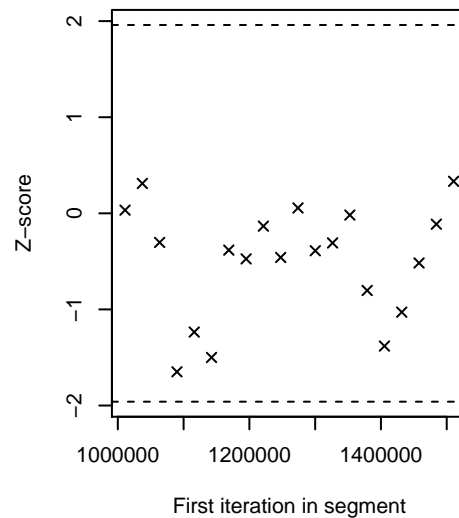
**R[17] (chain3)****R[18] (chain3)****R[19] (chain3)****R[20] (chain3)****R[21] (chain3)****R[22] (chain3)****R[23] (chain3)****R[24] (chain3)****R[25] (chain3)**

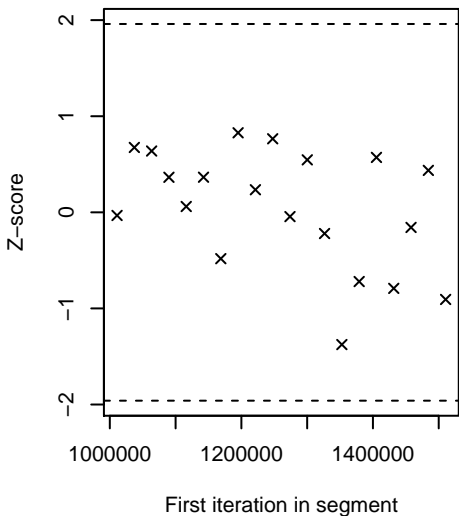
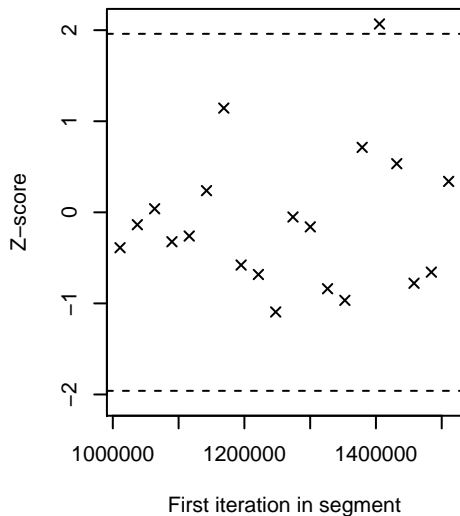
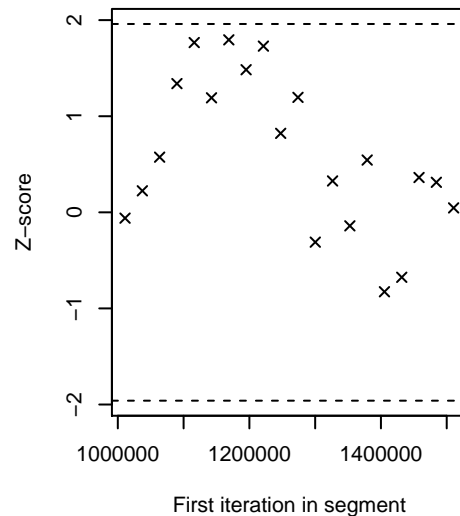
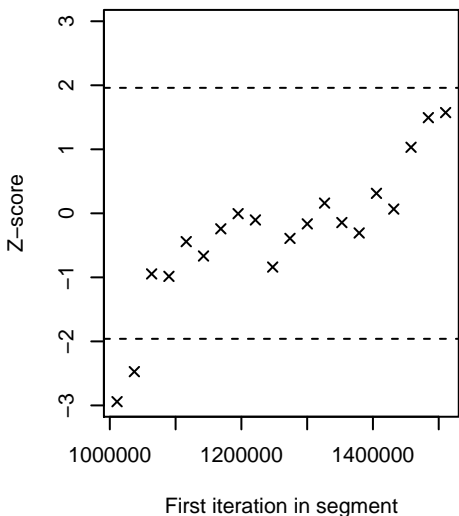
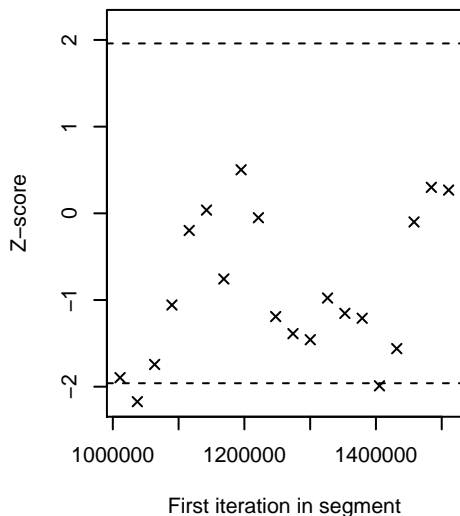
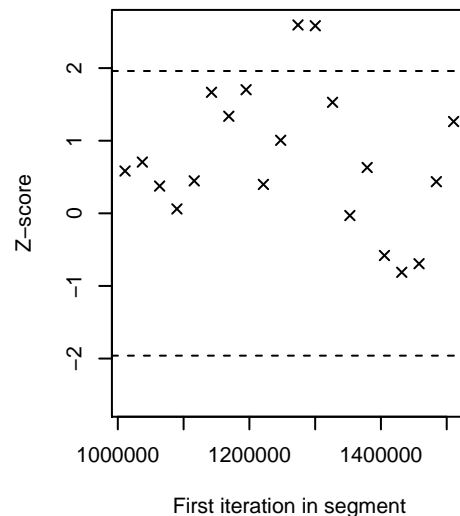
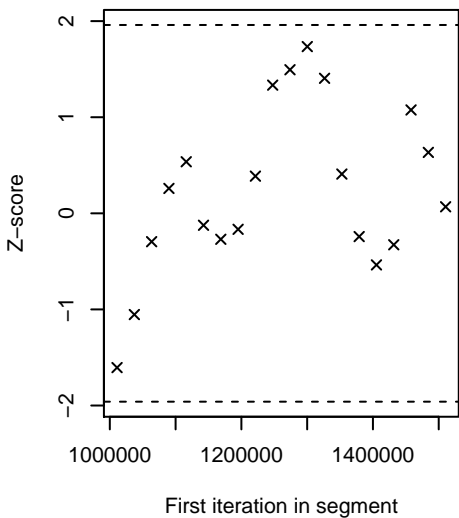
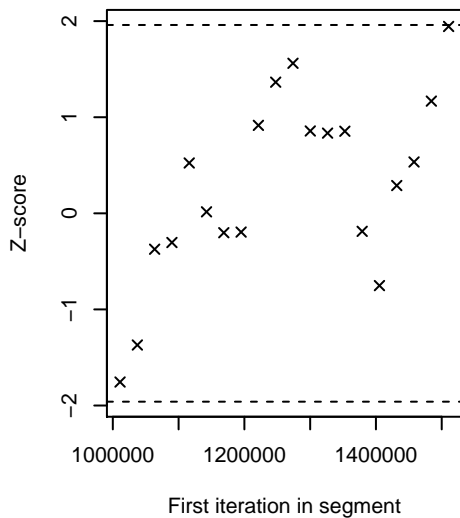
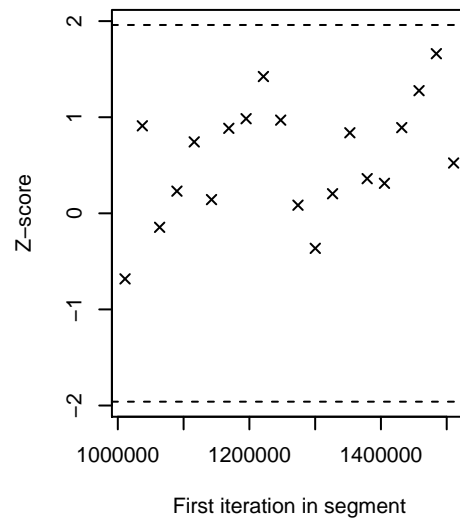


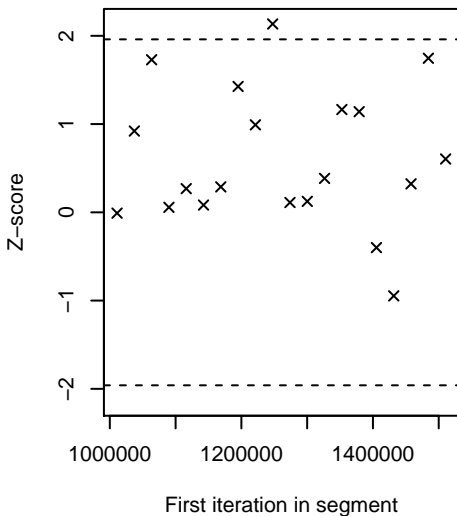
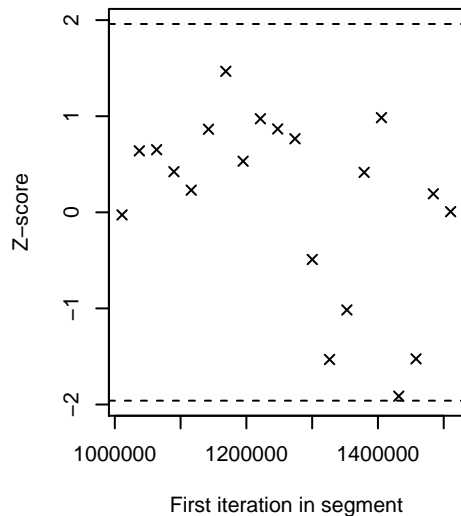
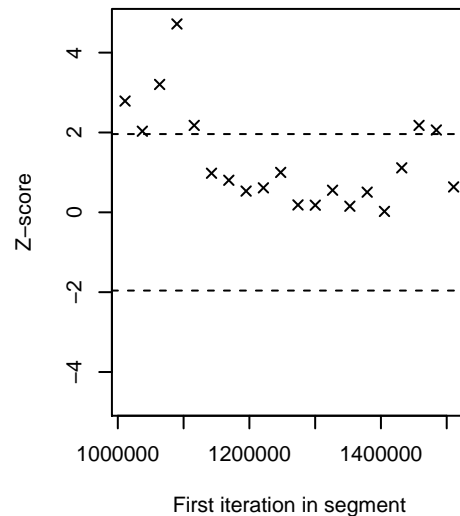
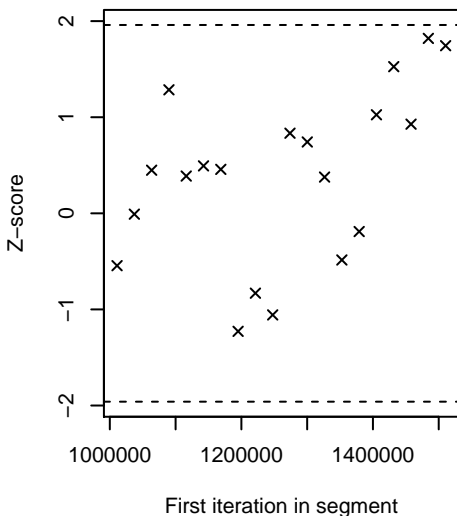
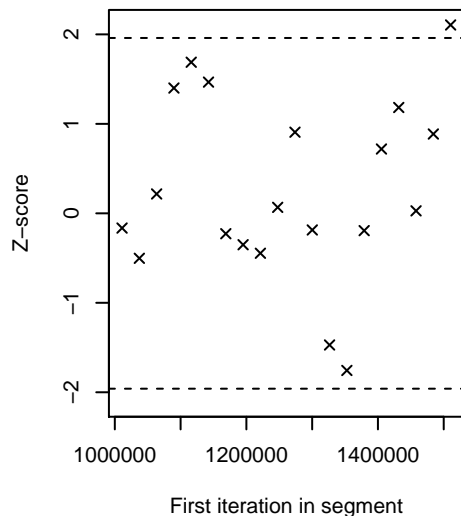
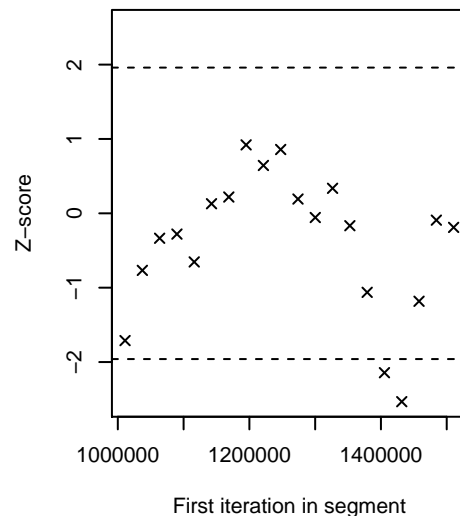
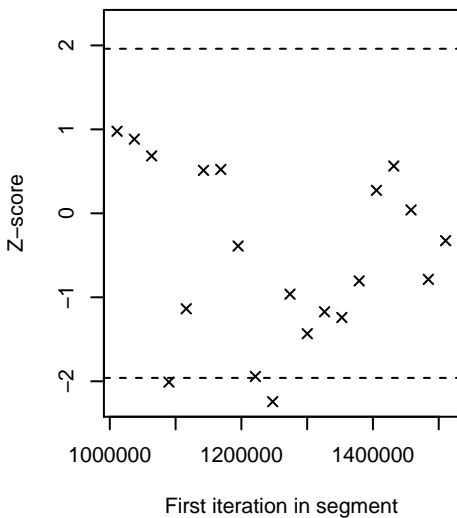
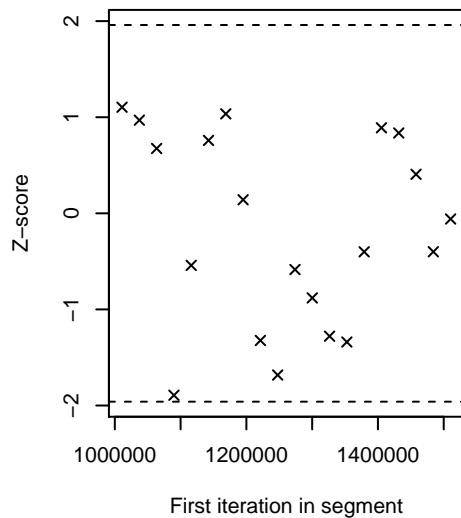
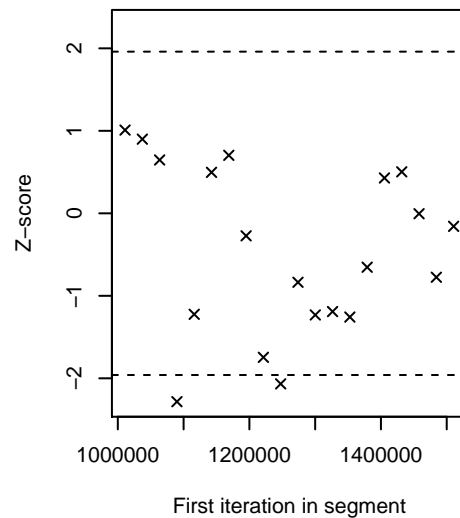
**R[26] (chain3)****R[27] (chain3)****R[28] (chain3)****R[29] (chain3)****R[30] (chain3)****R[31] (chain3)****R[32] (chain3)****R[33] (chain3)****R[34] (chain3)**

**R[35] (chain3)****R[36] (chain3)****R[37] (chain3)****R[38] (chain3)****R[39] (chain3)****S[1] (chain3)****S[2] (chain3)****S[3] (chain3)****S[4] (chain3)**

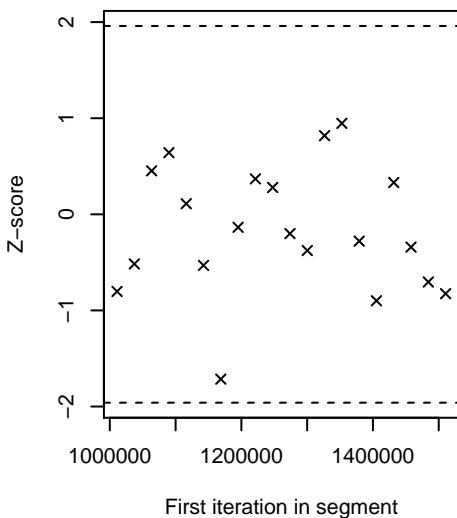
**S[5] (chain3)****S[6] (chain3)****S[7] (chain3)****S[8] (chain3)****S[9] (chain3)****S[10] (chain3)****S[11] (chain3)****S[12] (chain3)****S[13] (chain3)**

**S[14] (chain3)****S[15] (chain3)****S[16] (chain3)****S[17] (chain3)****S[18] (chain3)****S[19] (chain3)****S[20] (chain3)****S[21] (chain3)****S[22] (chain3)**

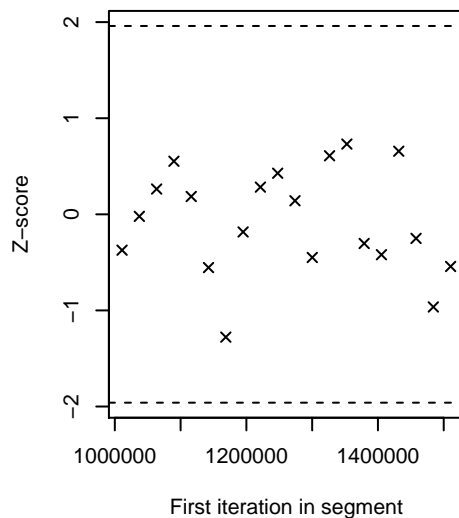
**S[23] (chain3)****S[24] (chain3)****S[25] (chain3)****S[26] (chain3)****S[27] (chain3)****S[28] (chain3)****S[29] (chain3)****S[30] (chain3)****S[31] (chain3)**

**S[32] (chain3)****S[33] (chain3)****S[34] (chain3)****S[35] (chain3)****S[36] (chain3)****S[37] (chain3)****S.eq.c (chain3)****S.max (chain3)****S.msy.c (chain3)**

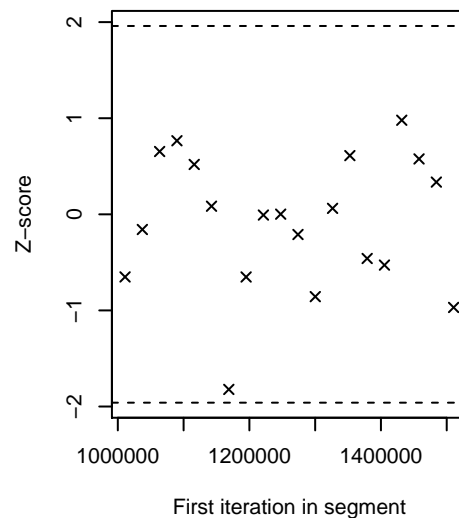
**U.msy.c (chain3)**



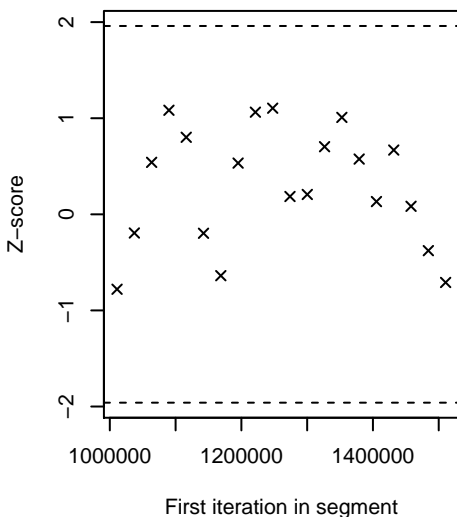
**alpha (chain3)**



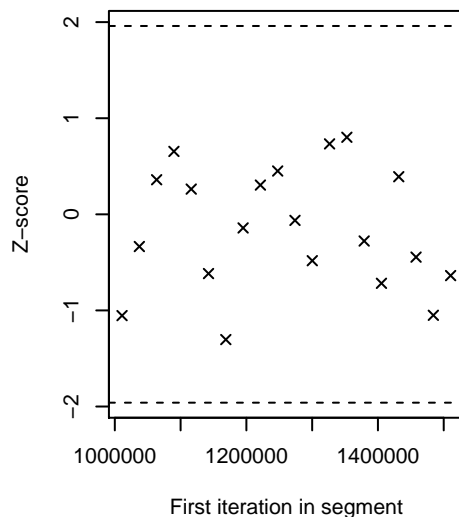
**alpha.c (chain3)**



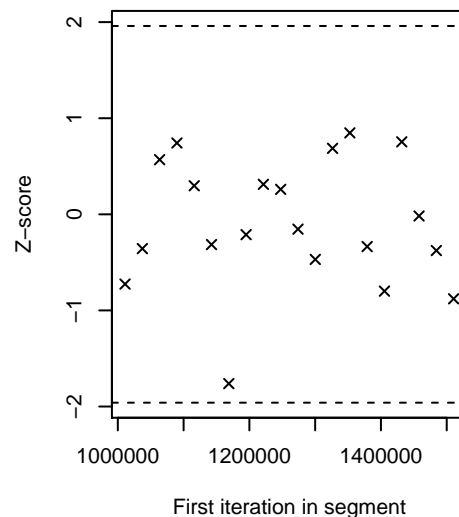
**beta (chain3)**



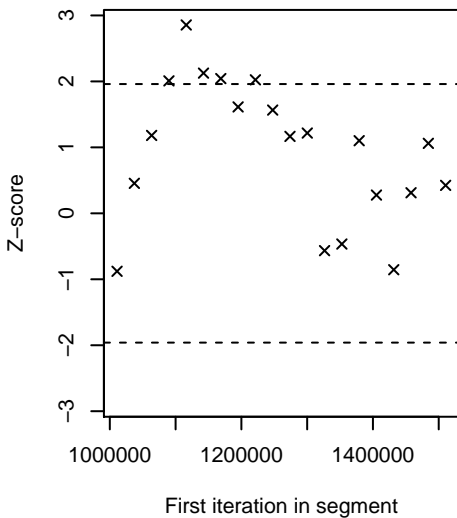
**Inalpha (chain3)**



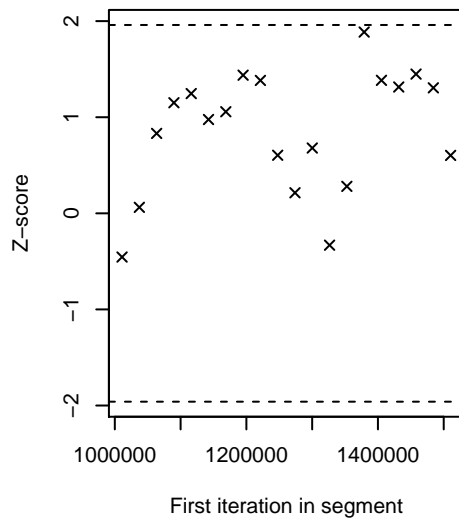
**Inalpha.c (chain3)**



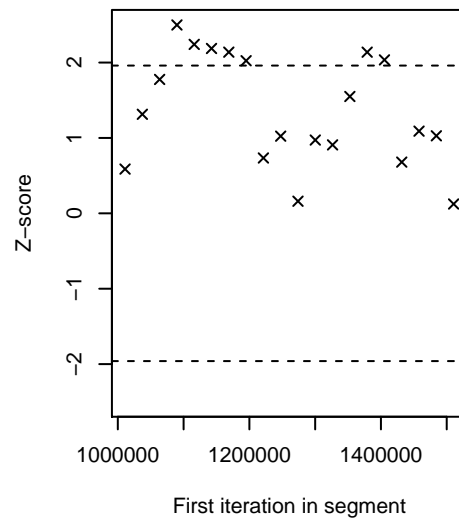
**log.resid[7] (chain3)**



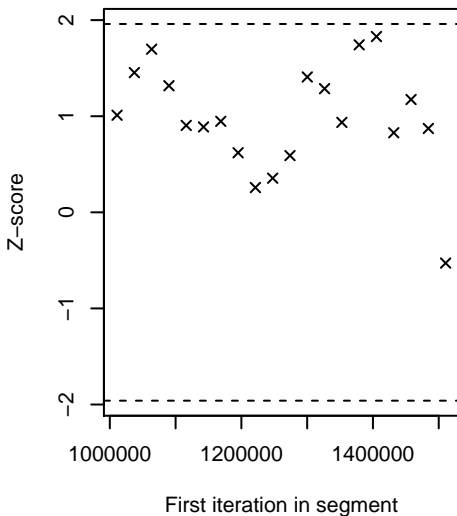
**log.resid[8] (chain3)**



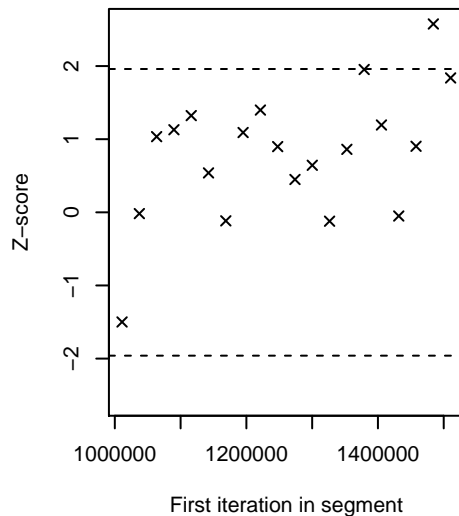
**log.resid[9] (chain3)**



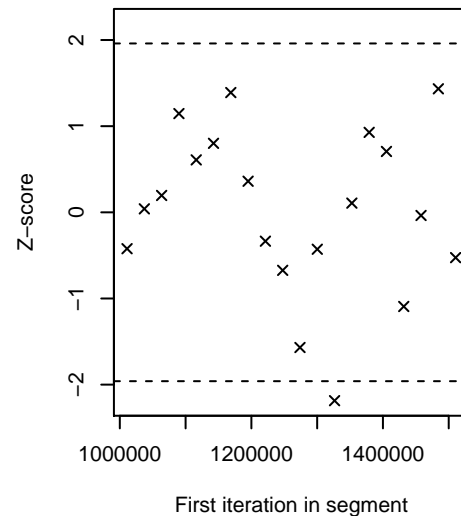
**log.resid[10] (chain3)**



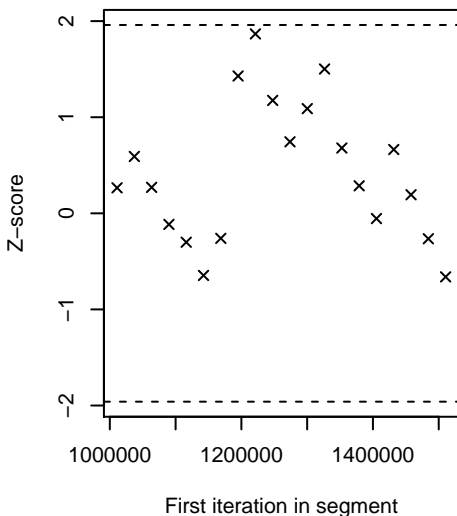
**log.resid[11] (chain3)**



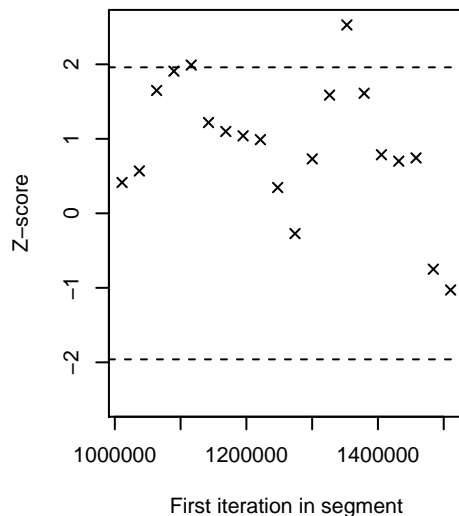
**log.resid[12] (chain3)**



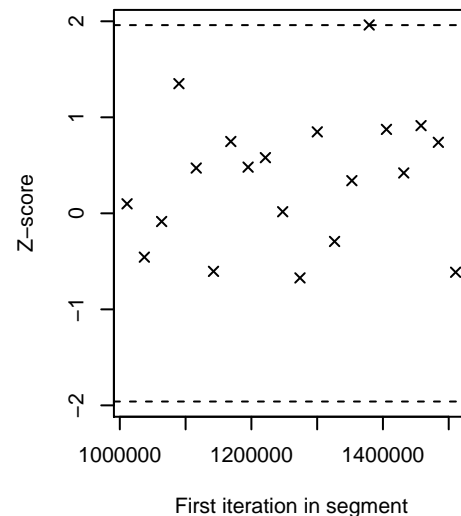
**log.resid[13] (chain3)**



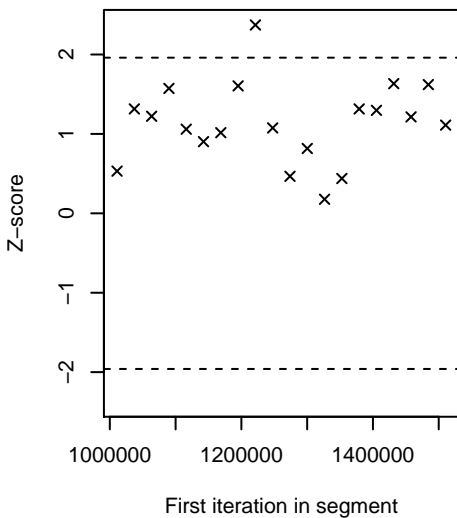
**log.resid[14] (chain3)**



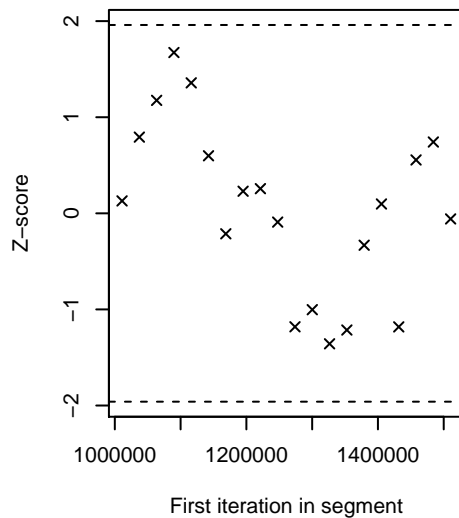
**log.resid[15] (chain3)**



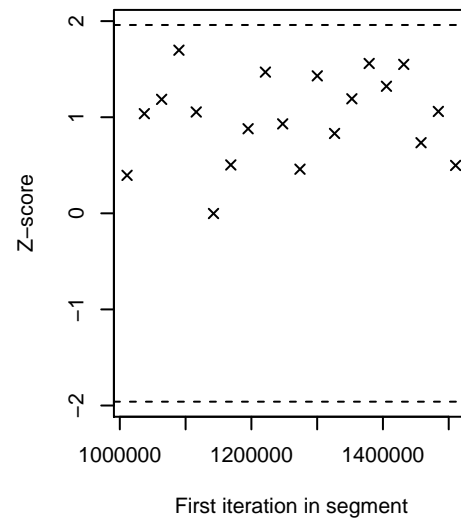
**log.resid[16] (chain3)**



**log.resid[17] (chain3)**

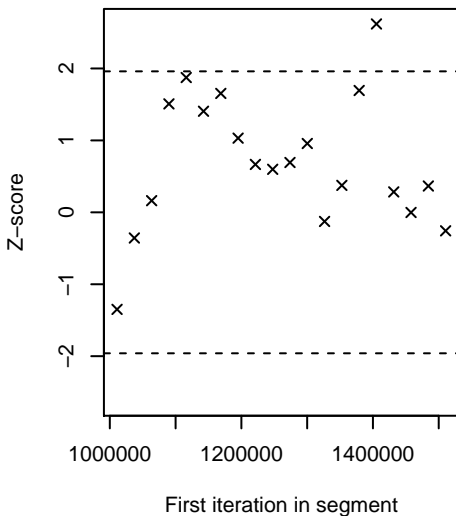


**log.resid[18] (chain3)**

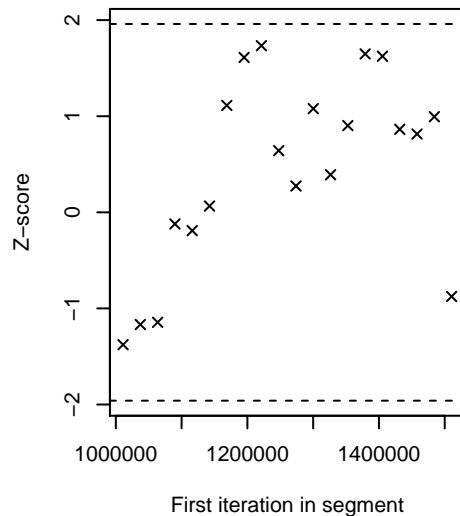




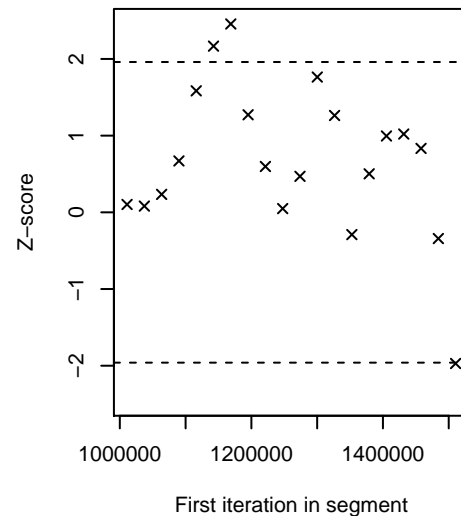
**log.resid[19] (chain3)**



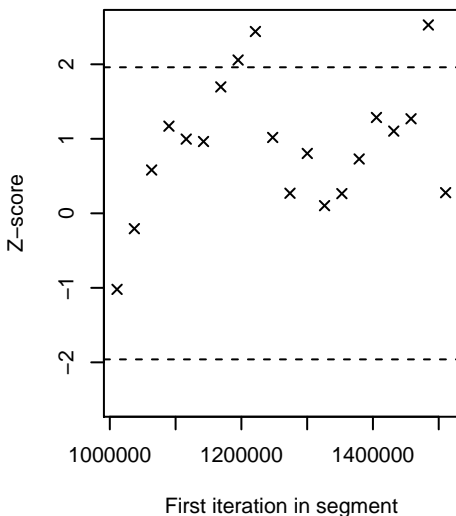
**log.resid[20] (chain3)**



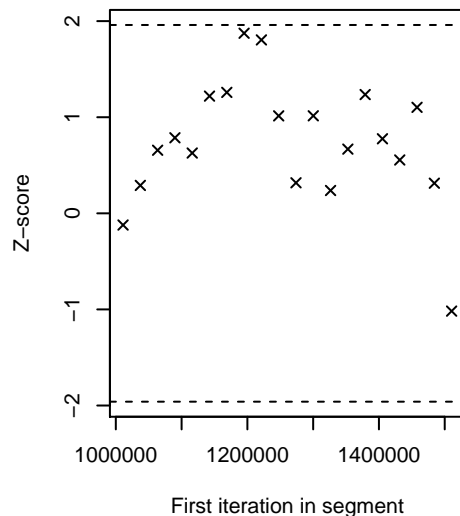
**log.resid[21] (chain3)**



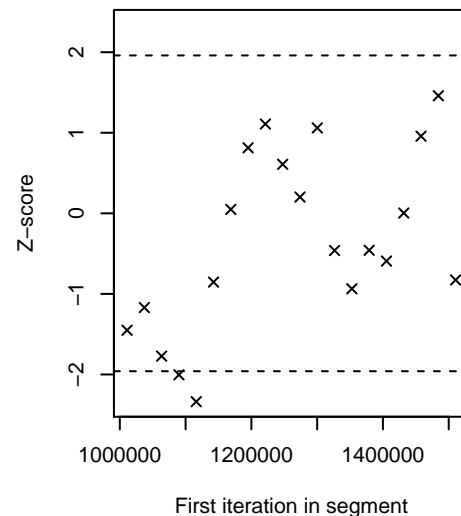
**log.resid[22] (chain3)**



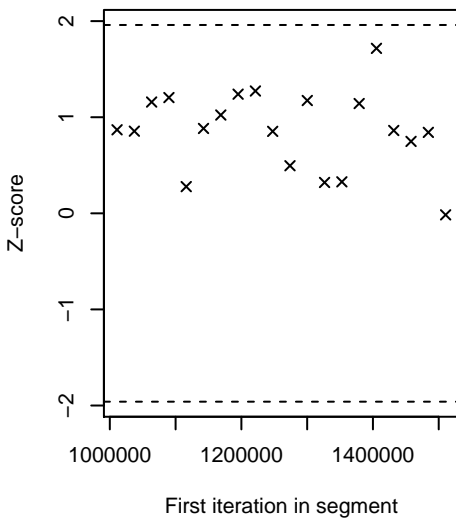
**log.resid[23] (chain3)**



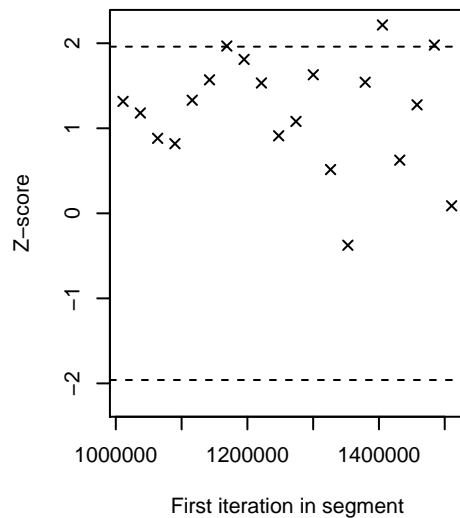
**log.resid[24] (chain3)**



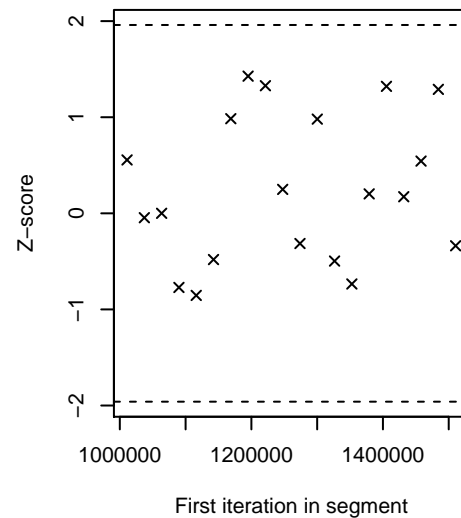
**log.resid[25] (chain3)**



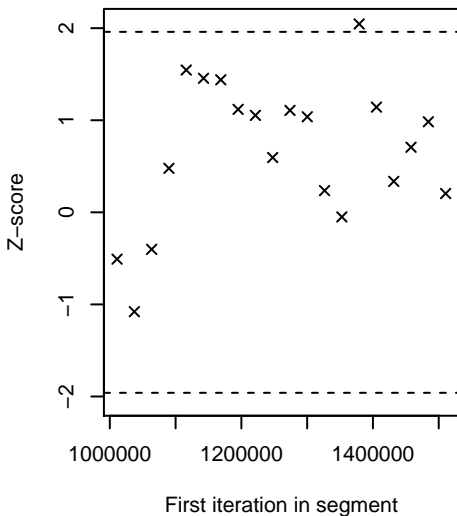
**log.resid[26] (chain3)**



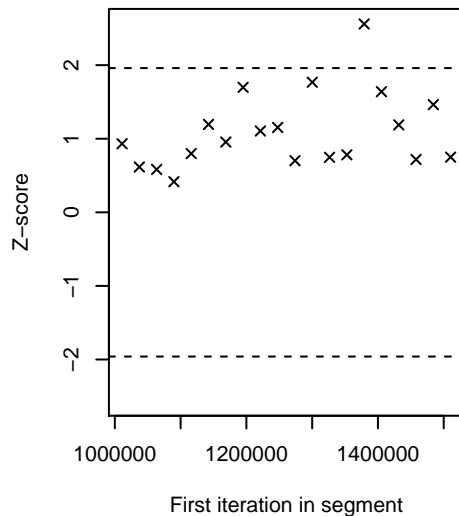
**log.resid[27] (chain3)**



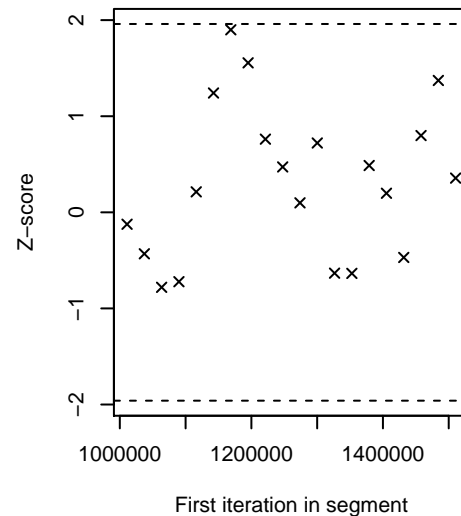
**log.resid[28] (chain3)**



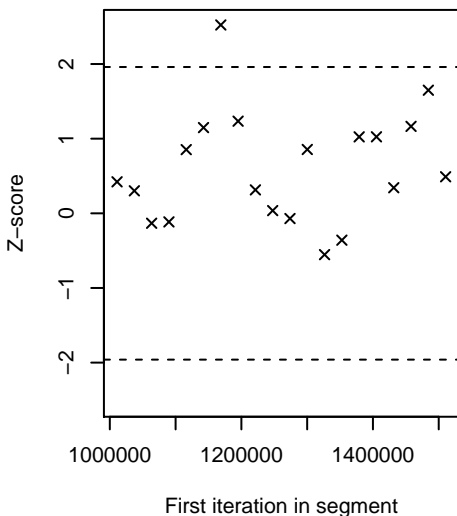
**log.resid[29] (chain3)**



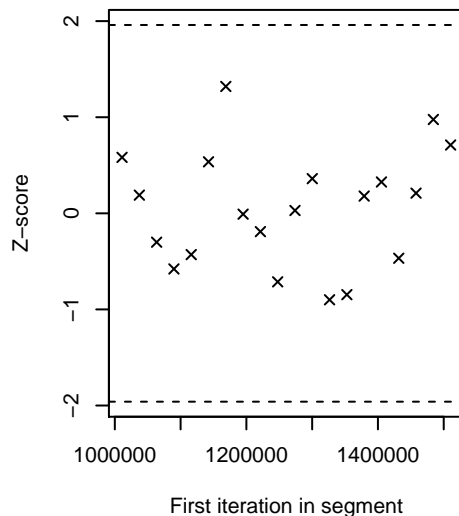
**log.resid[30] (chain3)**



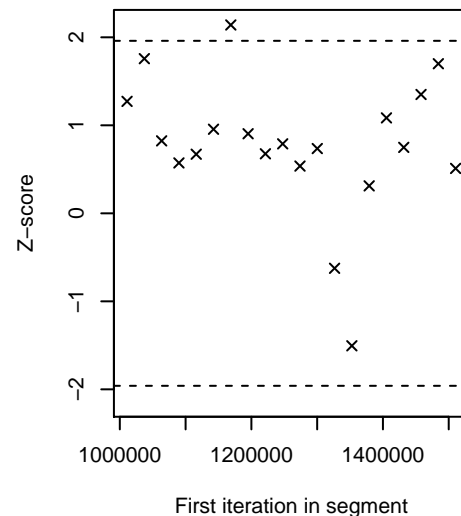
**log.resid[31] (chain3)**



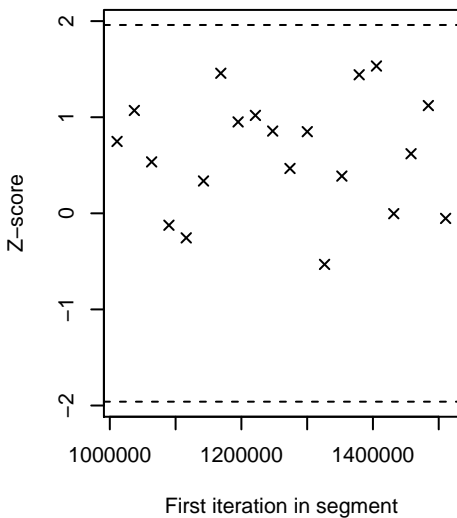
**log.resid[32] (chain3)**



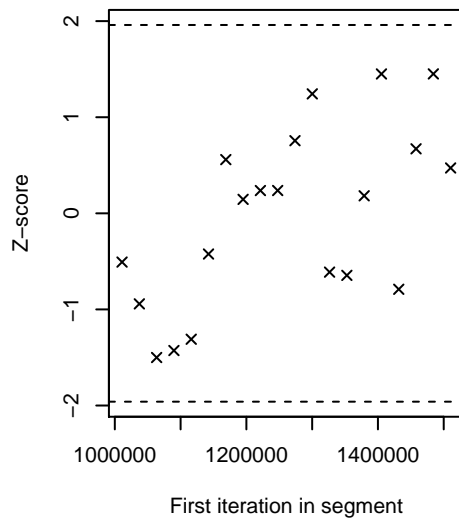
**log.resid[33] (chain3)**



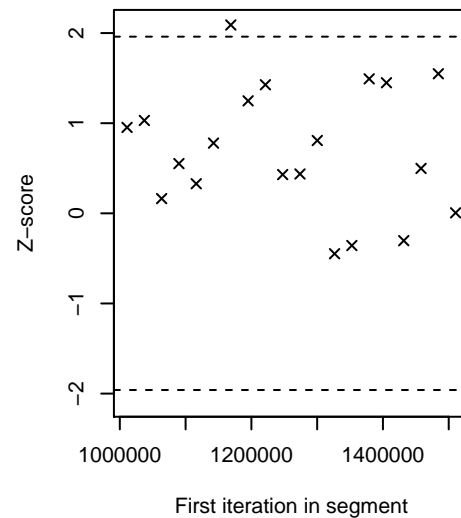
**log.resid[34] (chain3)**



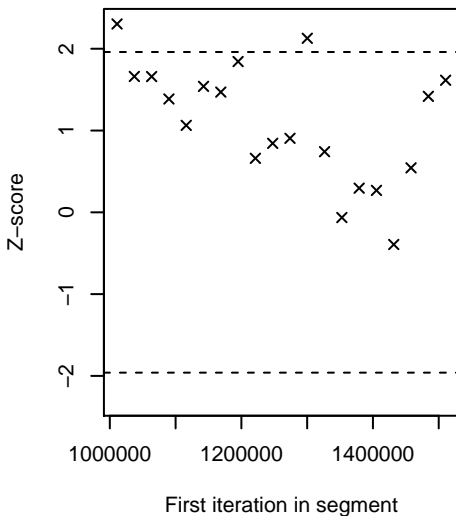
**log.resid[35] (chain3)**



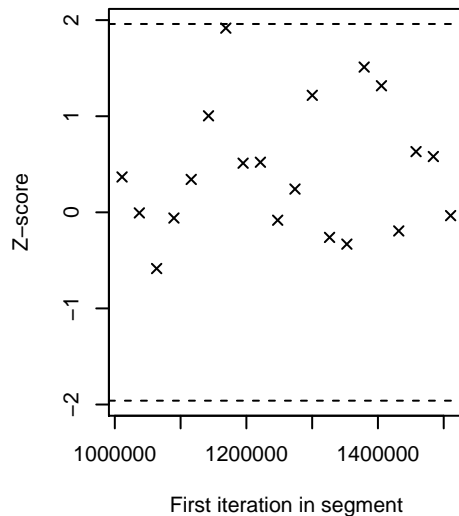
**log.resid[36] (chain3)**



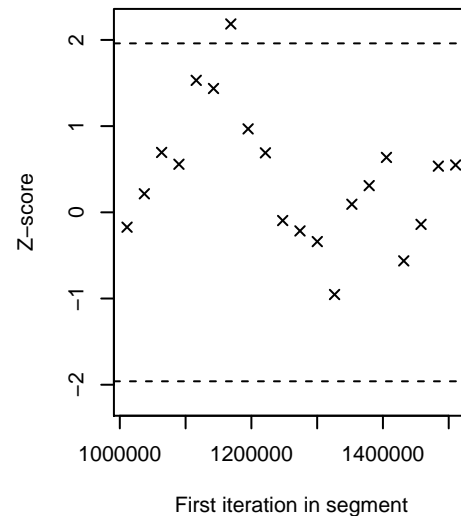
**log.resid[37] (chain3)**



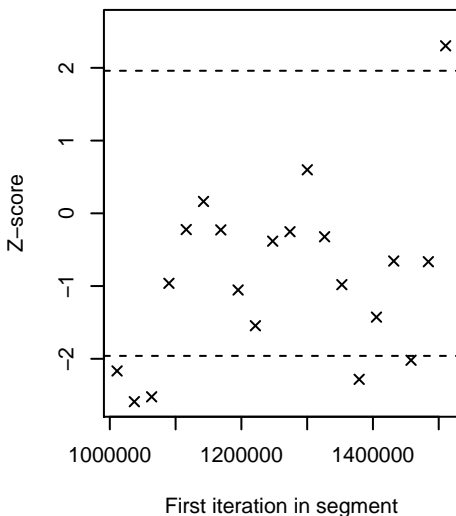
**log.resid[38] (chain3)**



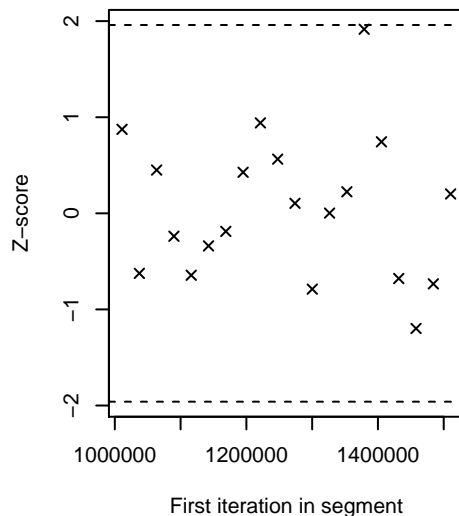
**log.resid[39] (chain3)**



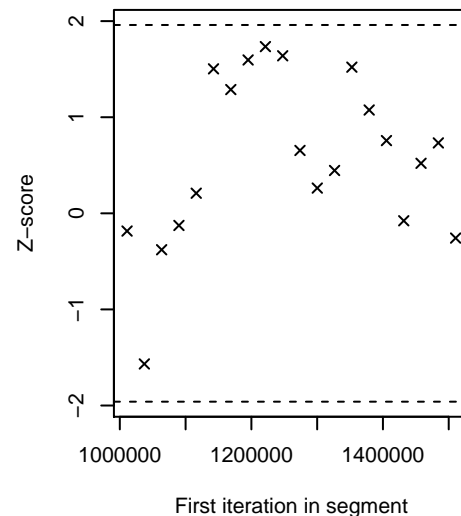
**log.resid.0 (chain3)**



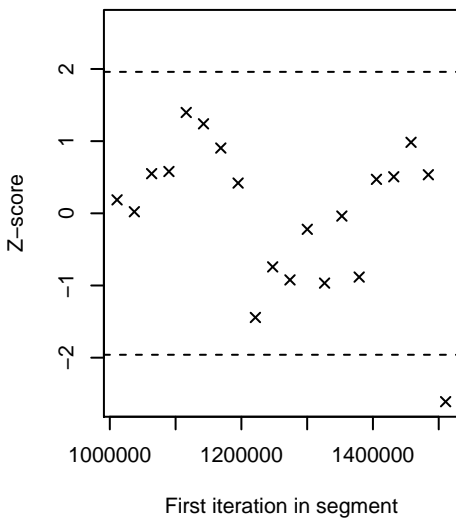
**mean.log.R0 (chain3)**



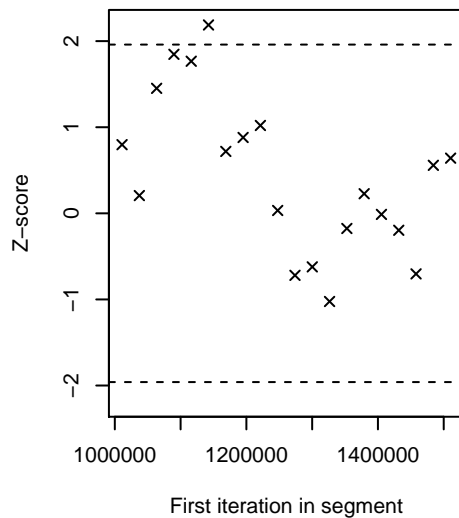
**mu.HB[1] (chain3)**



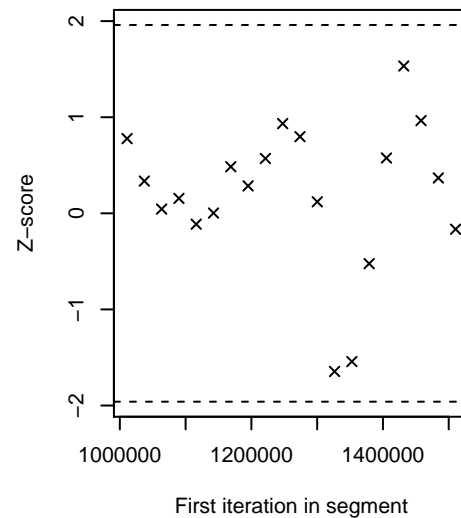
**mu.HB[2] (chain3)**



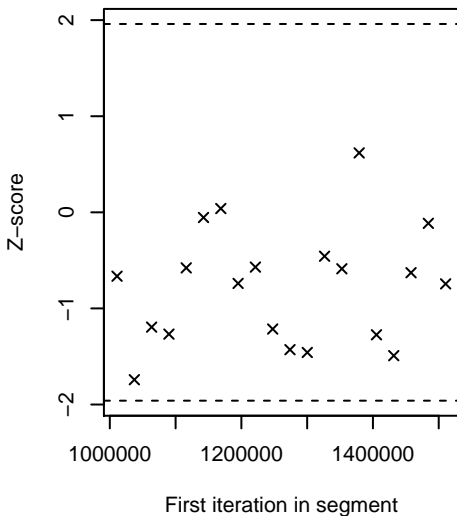
**mu.HB[3] (chain3)**



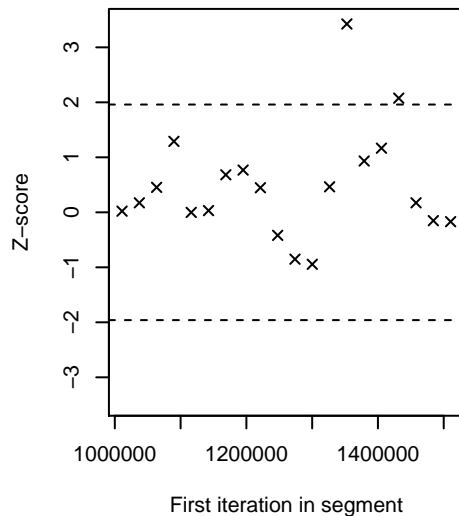
**mu.HB[4] (chain3)**



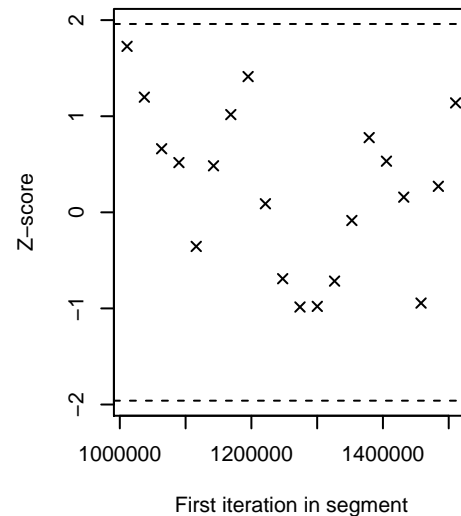
**mu.HB[5] (chain3)**



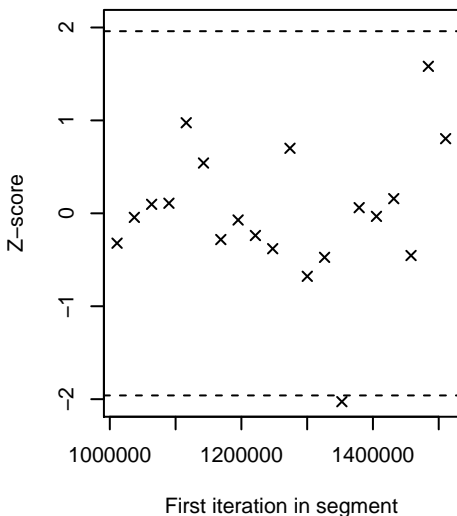
**mu.HB[6] (chain3)**



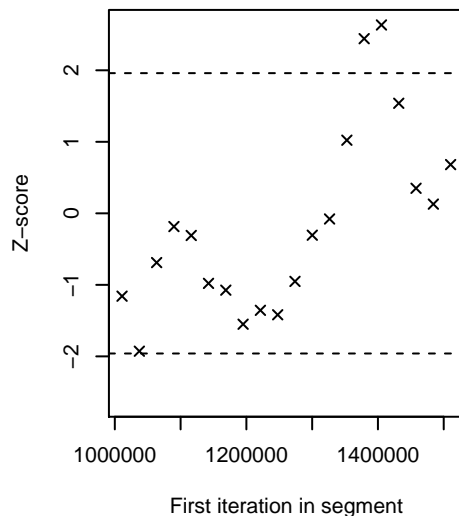
**mu.HB[7] (chain3)**



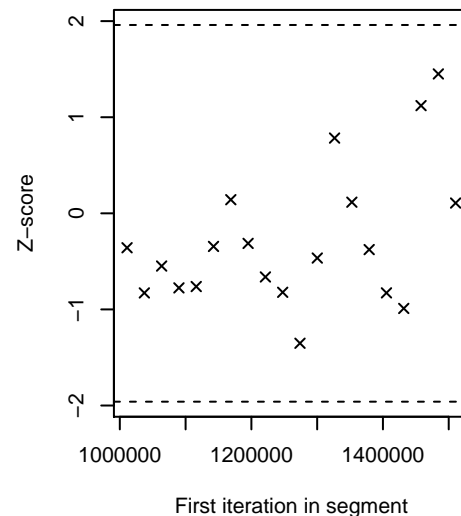
**mu.HB[8] (chain3)**



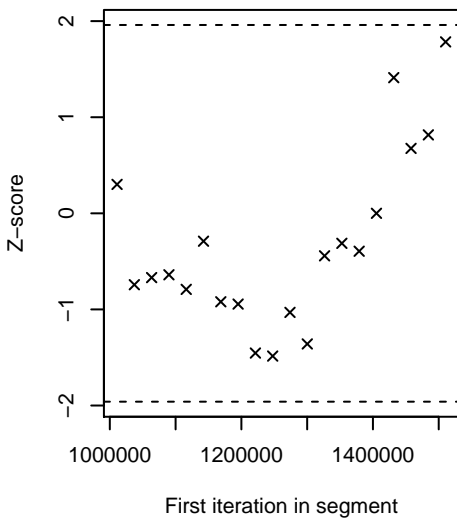
**mu.HB[9] (chain3)**



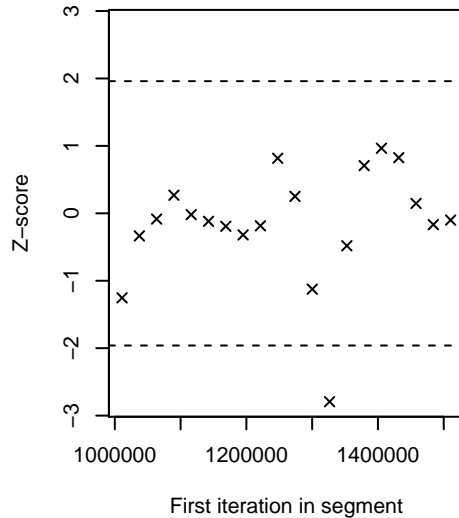
**mu.HB[10] (chain3)**



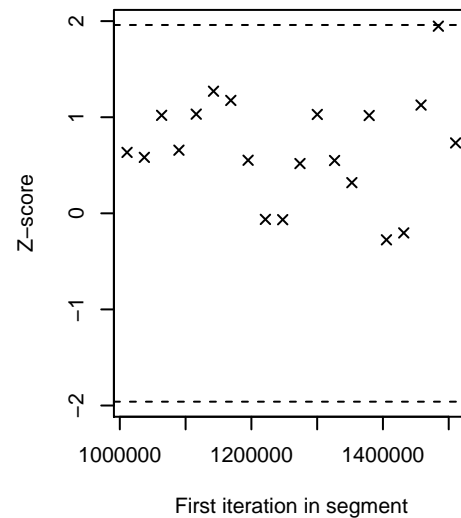
**mu.HB[11] (chain3)**



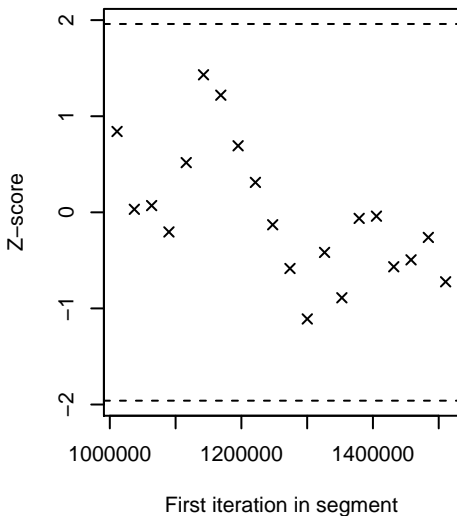
**mu.HB[12] (chain3)**



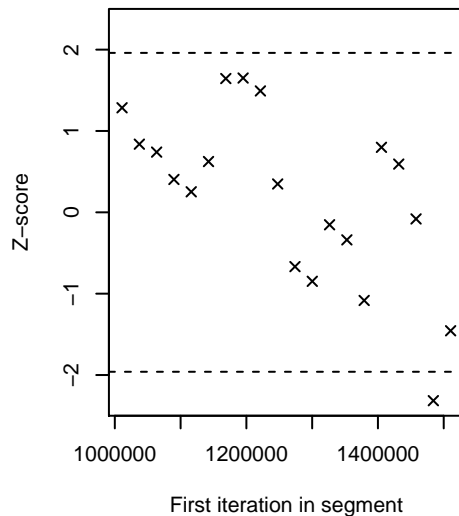
**mu.HB[13] (chain3)**



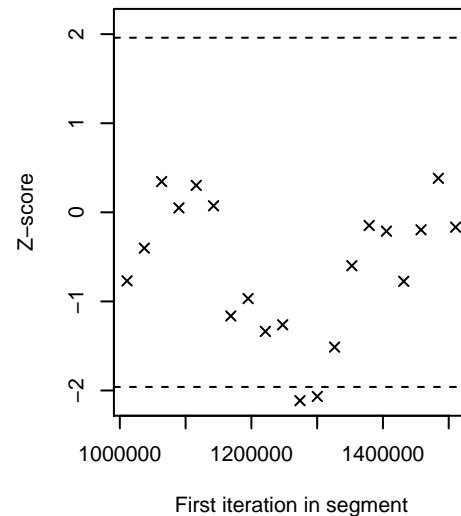
**mu.HB[14] (chain3)**



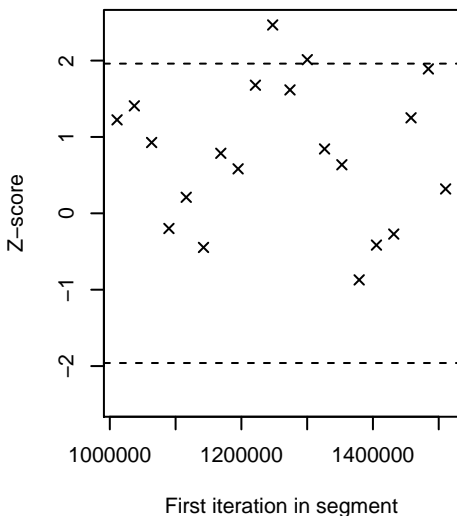
**mu.HB[15] (chain3)**



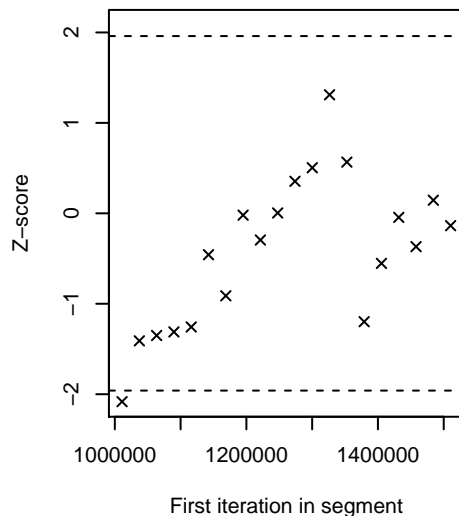
**mu.HB[16] (chain3)**



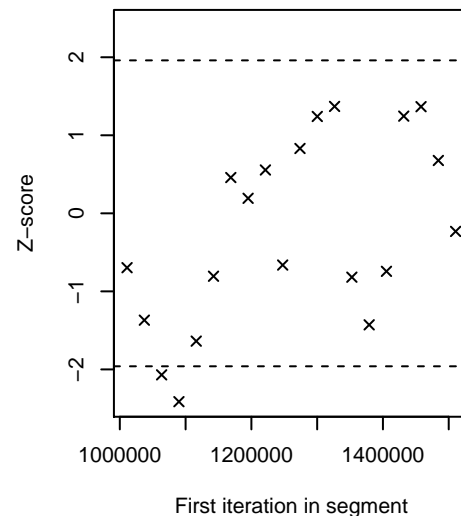
**mu.HB[17] (chain3)**



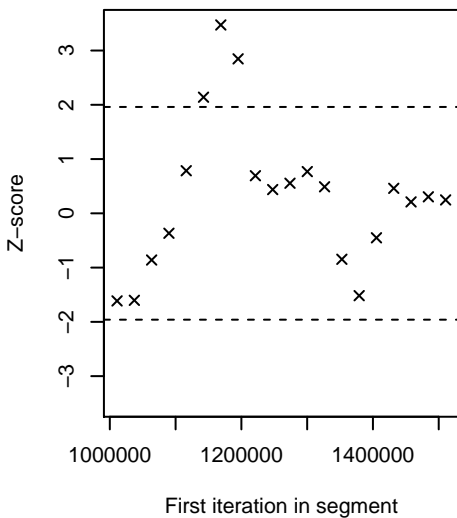
**mu.HB[18] (chain3)**



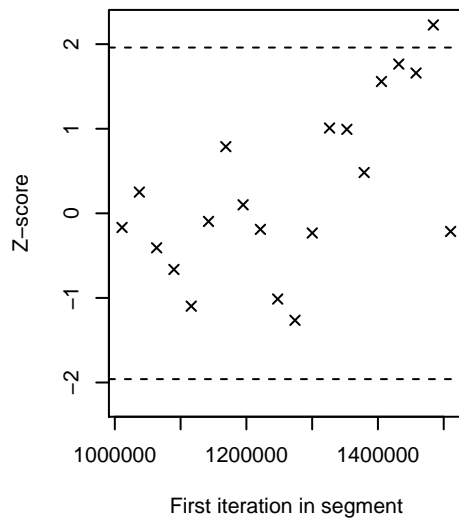
**mu.HB[19] (chain3)**



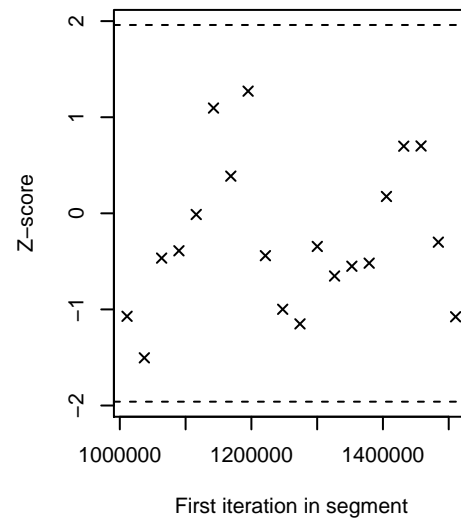
**mu.HB[20] (chain3)**



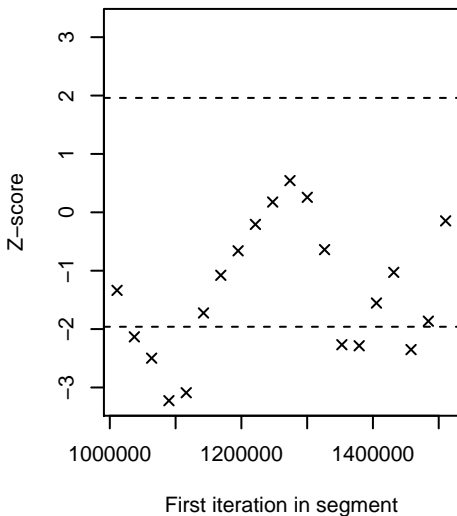
**mu.HB[21] (chain3)**



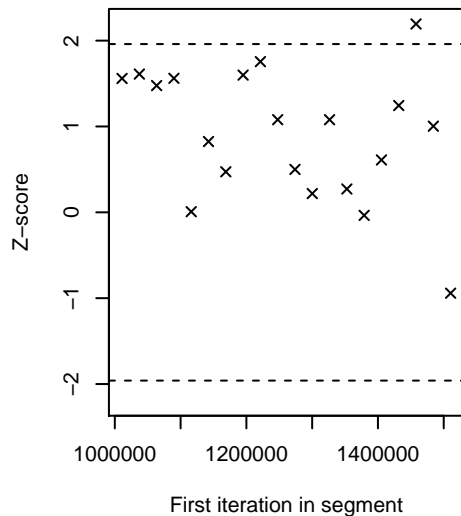
**mu.HB[22] (chain3)**



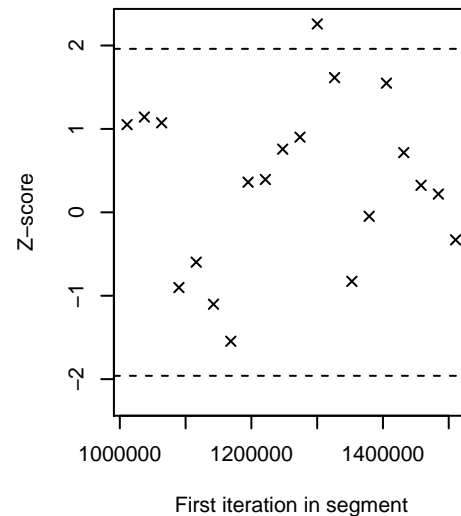
**mu.HB[23] (chain3)**



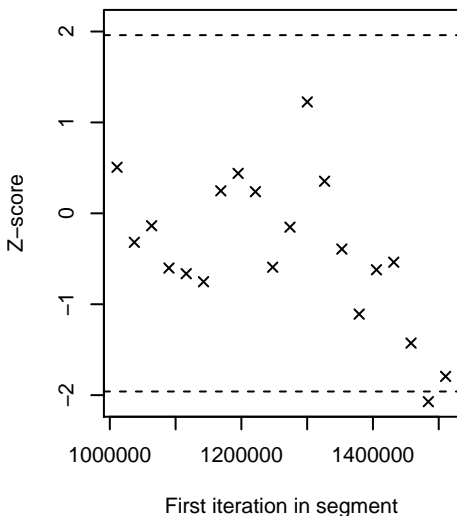
**mu.HB[24] (chain3)**



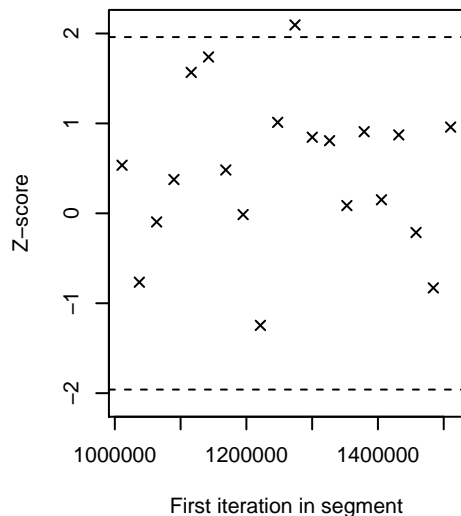
**mu.HB[25] (chain3)**



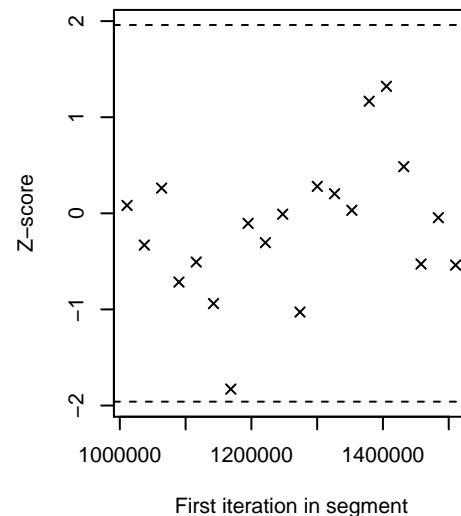
**mu.HB[26] (chain3)**



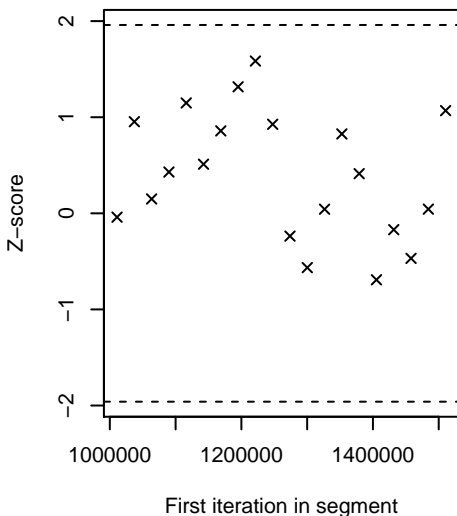
**mu.HB[27] (chain3)**



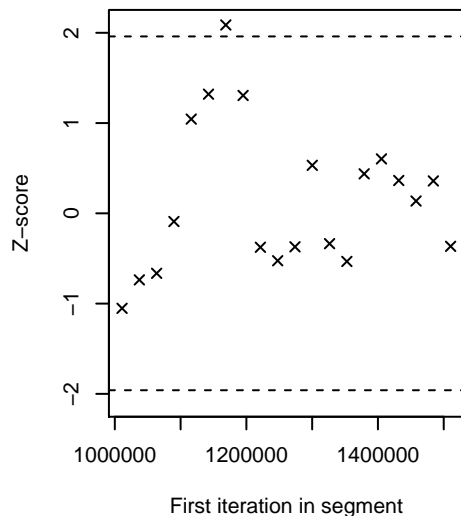
**mu.HB[28] (chain3)**



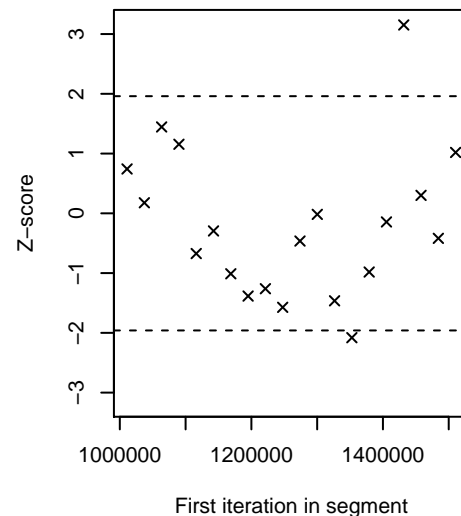
**mu.HB[29] (chain3)**



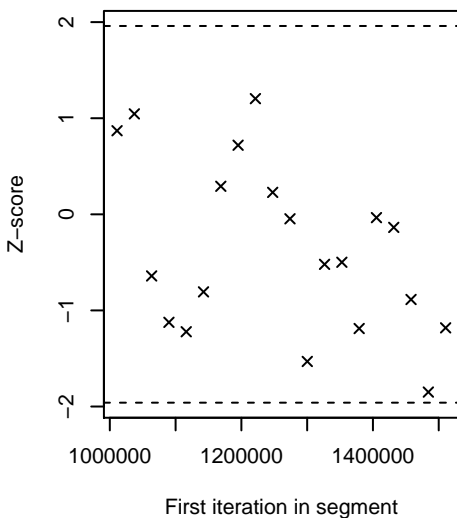
**mu.HB[30] (chain3)**



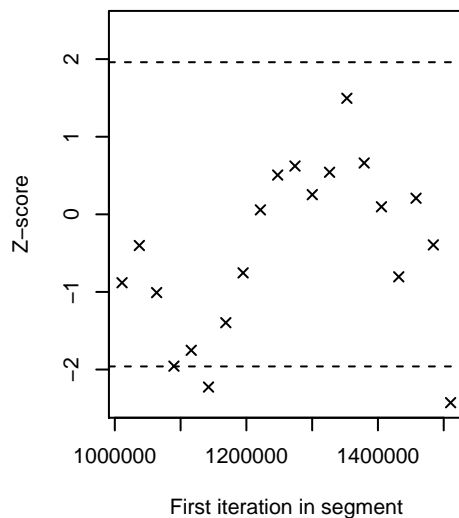
**mu.HB[31] (chain3)**



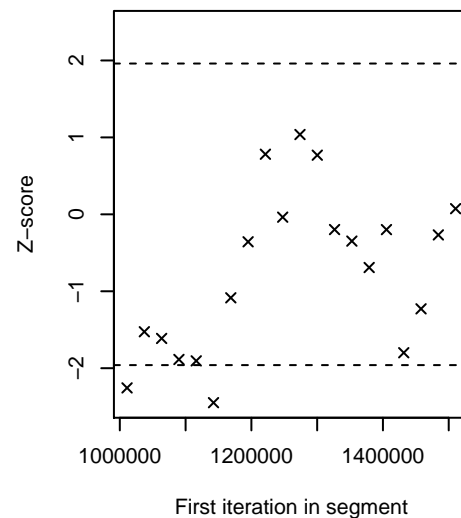
**mu.HB[32] (chain3)**



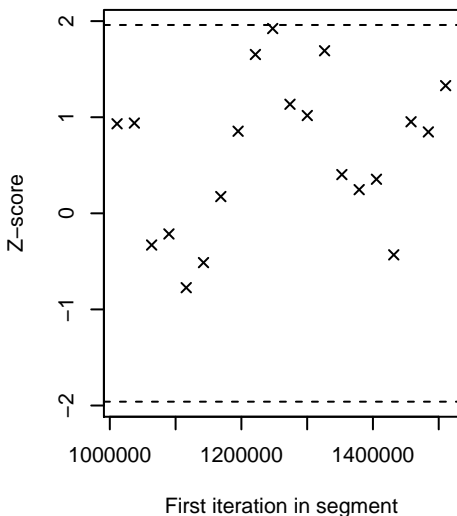
**mu.HB[33] (chain3)**



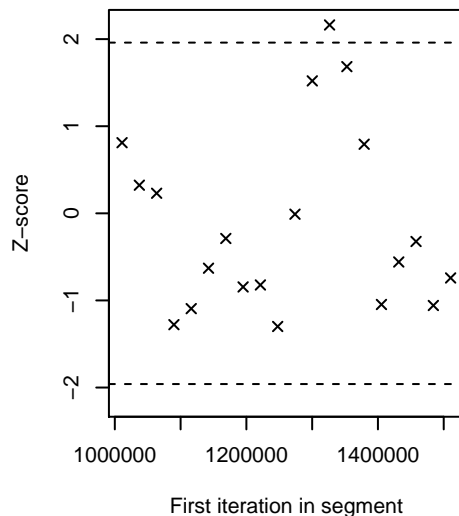
**mu.HB[34] (chain3)**



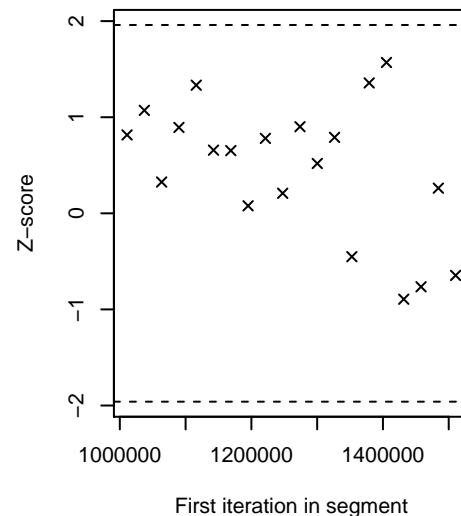
**mu.HB[35] (chain3)**



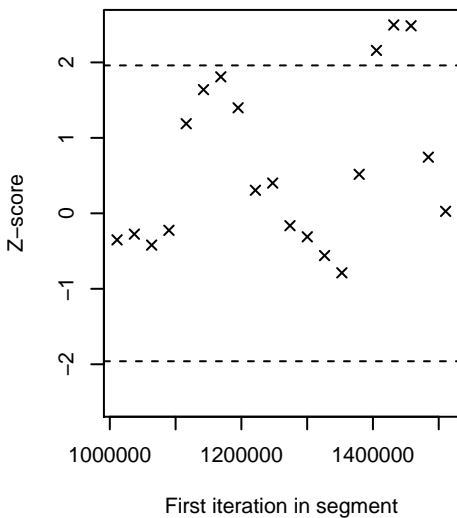
**mu.HB[36] (chain3)**



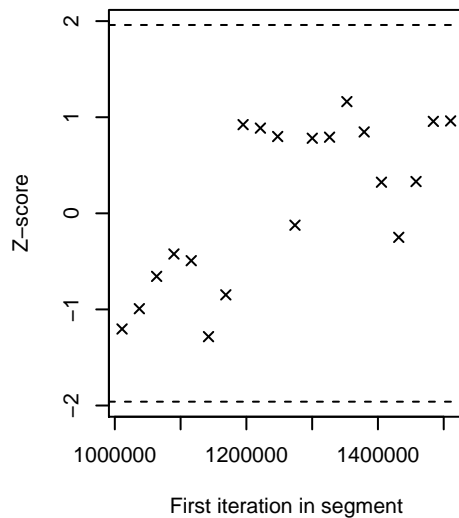
**mu.HB[37] (chain3)**



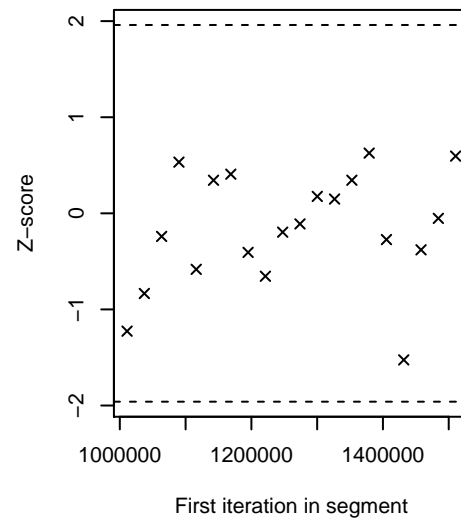
**p[1,1] (chain3)**



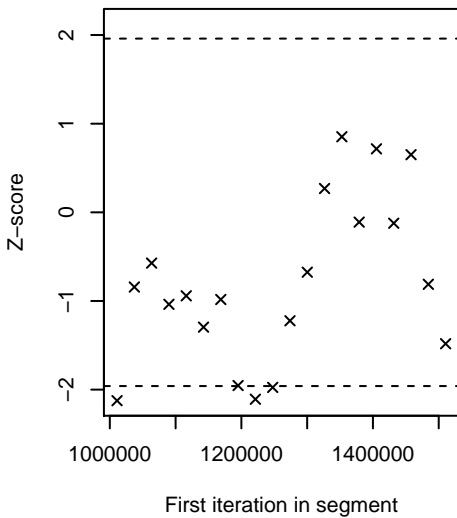
**p[2,1] (chain3)**



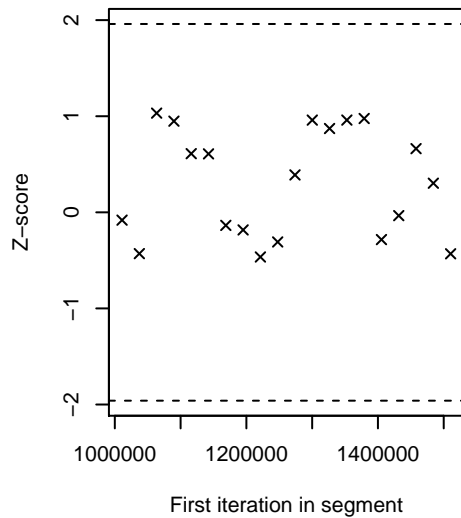
**p[3,1] (chain3)**



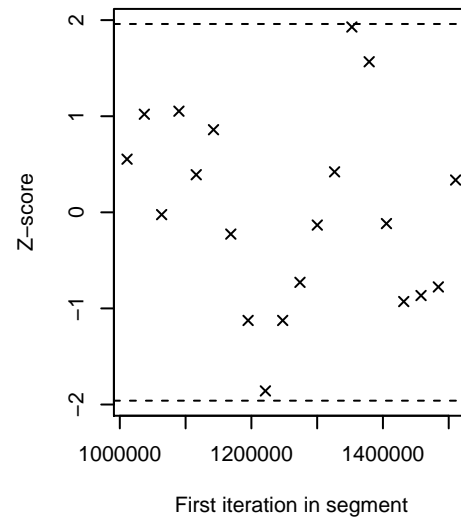
**p[4,1] (chain3)**



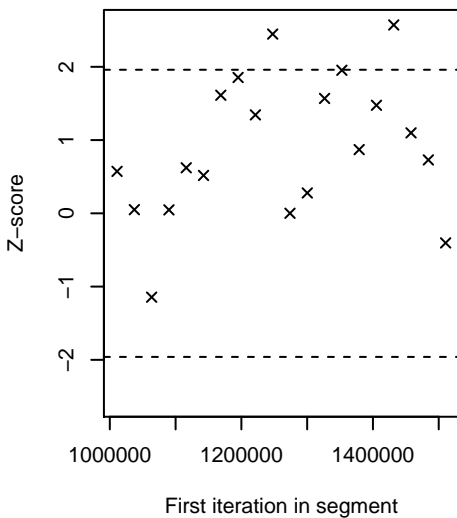
**p[5,1] (chain3)**



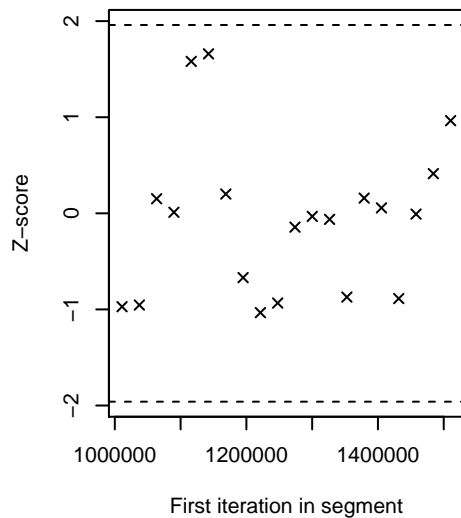
**p[6,1] (chain3)**



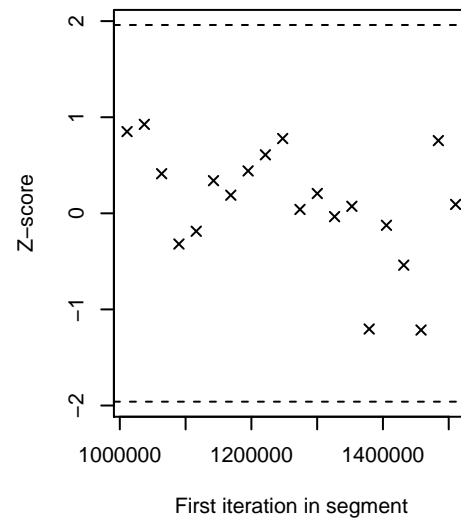
**p[7,1] (chain3)**



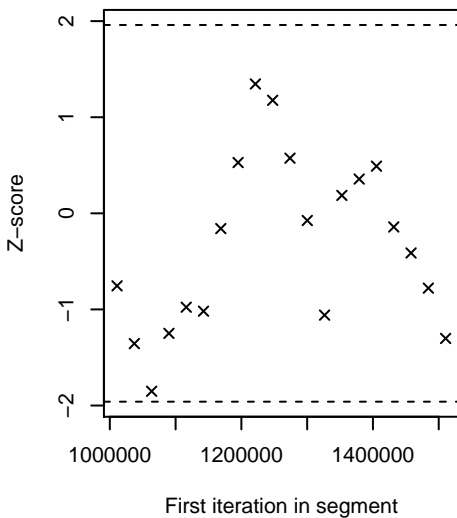
**p[8,1] (chain3)**



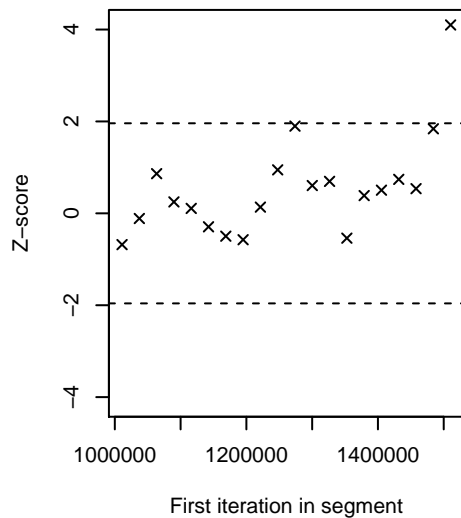
**p[9,1] (chain3)**



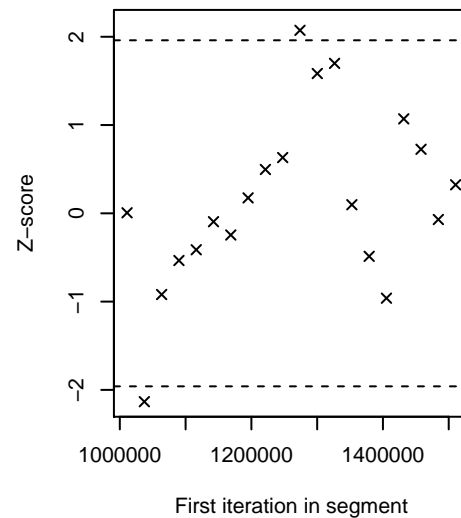
**p[10,1] (chain3)**



**p[11,1] (chain3)**

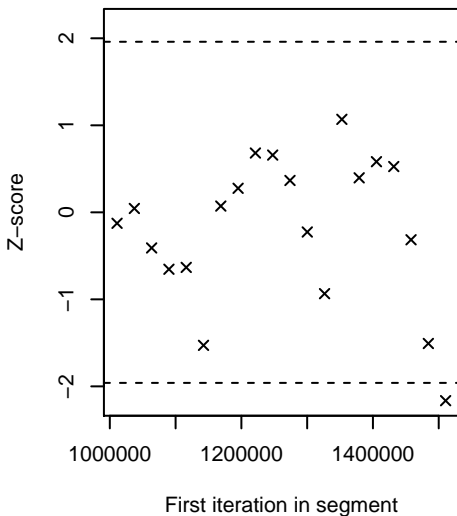


**p[12,1] (chain3)**

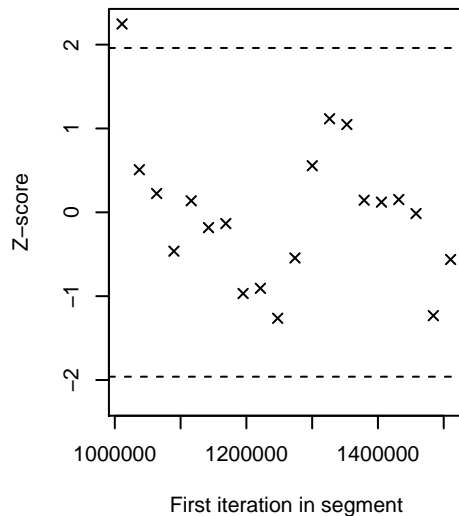




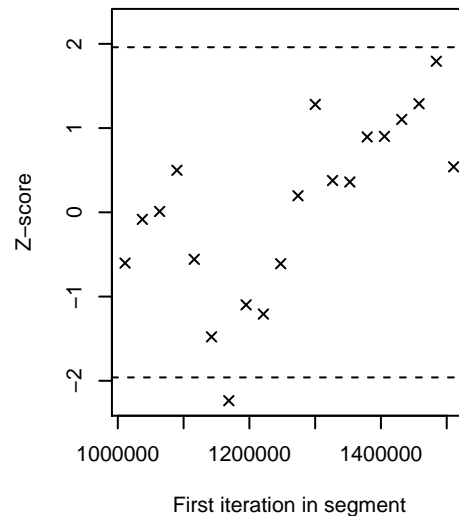
**p[13,1] (chain3)**



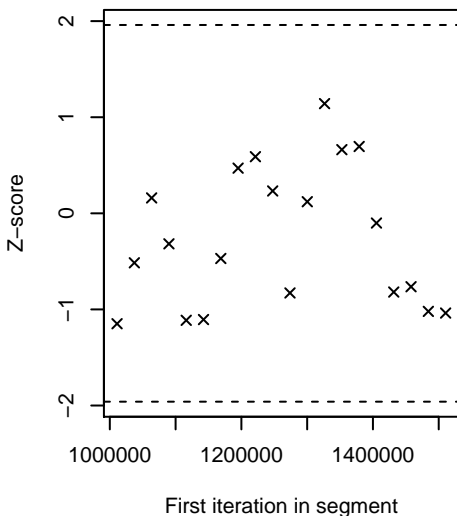
**p[14,1] (chain3)**



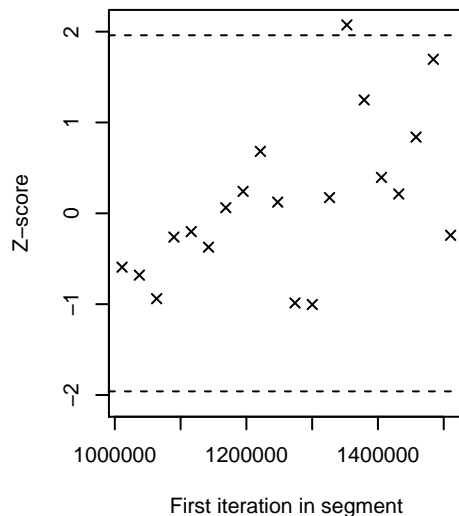
**p[15,1] (chain3)**



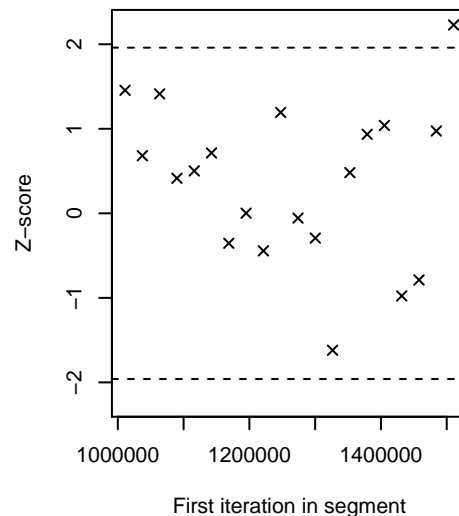
**p[16,1] (chain3)**



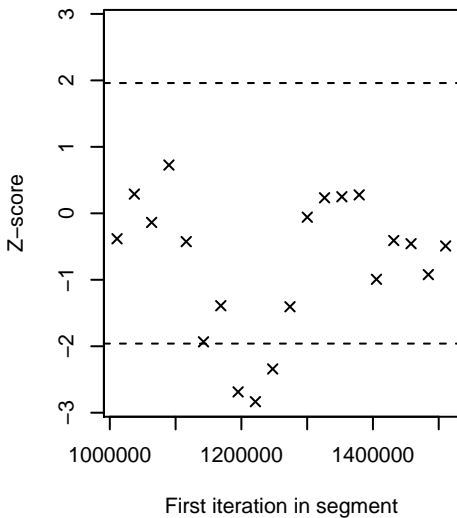
**p[17,1] (chain3)**



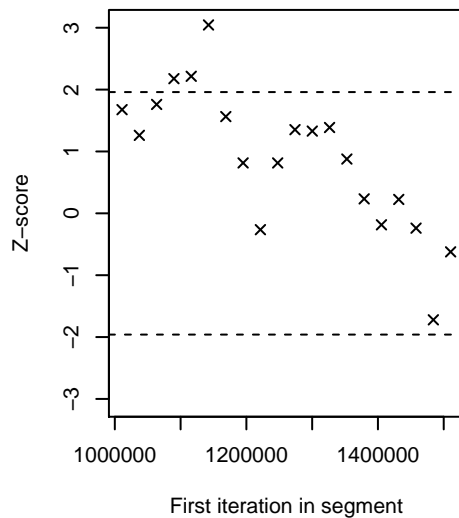
**p[18,1] (chain3)**



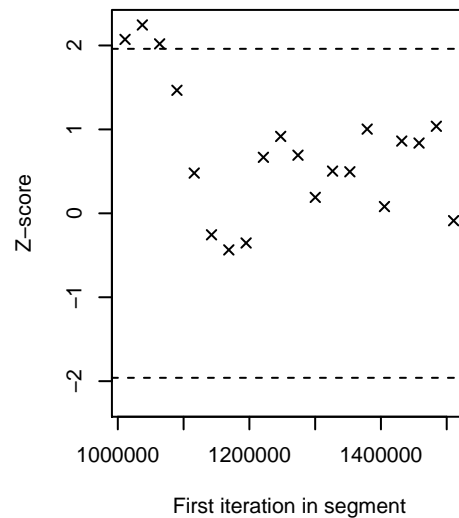
**p[19,1] (chain3)**



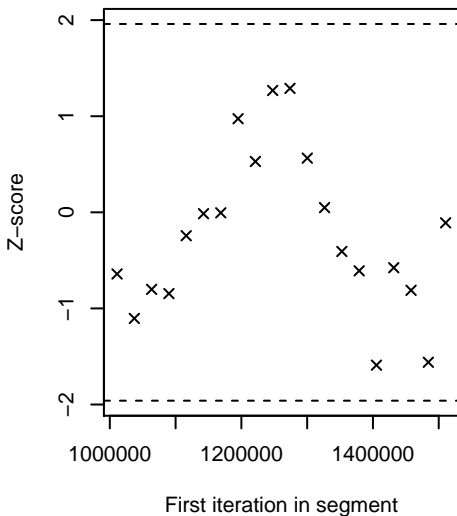
**p[20,1] (chain3)**



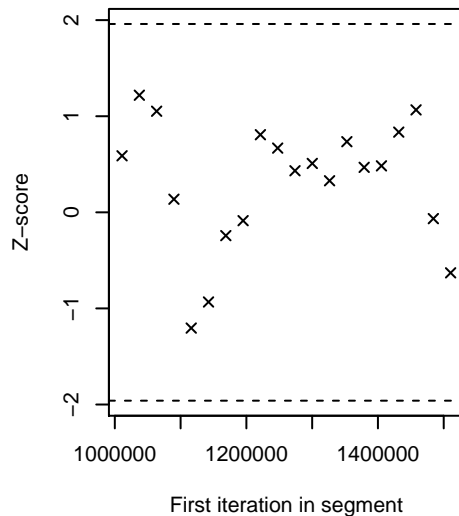
**p[21,1] (chain3)**



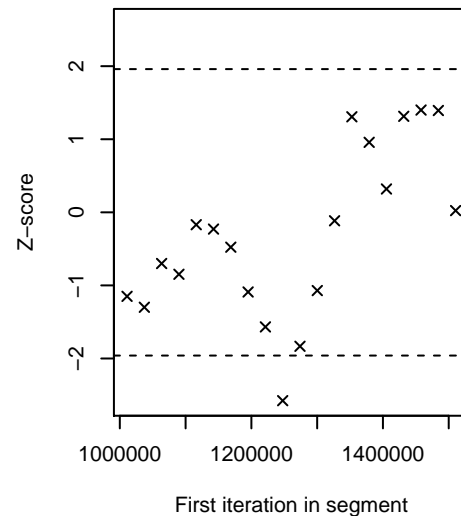
**p[22,1] (chain3)**



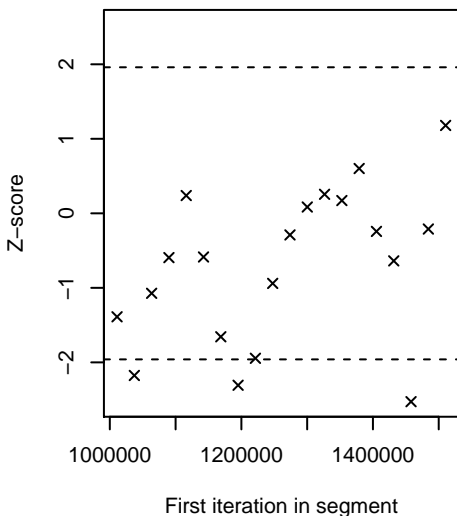
**p[23,1] (chain3)**



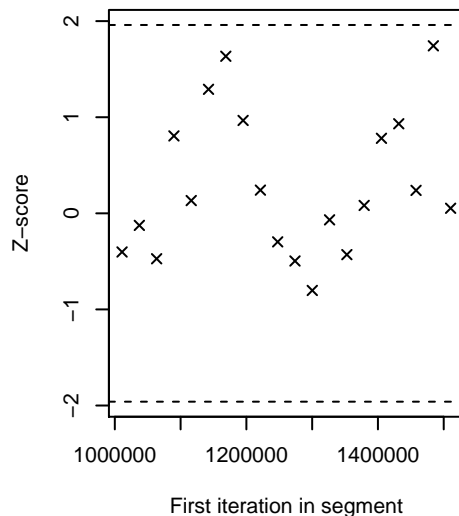
**p[24,1] (chain3)**



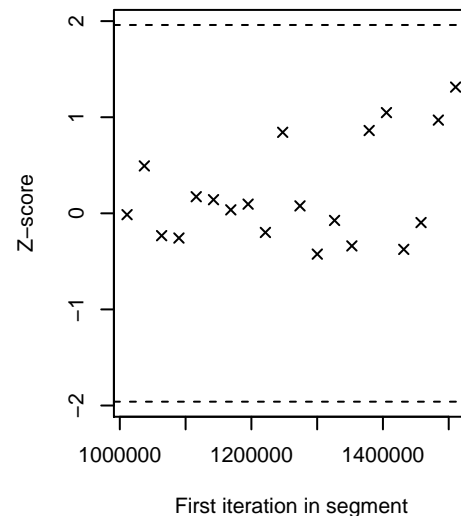
**p[25,1] (chain3)**



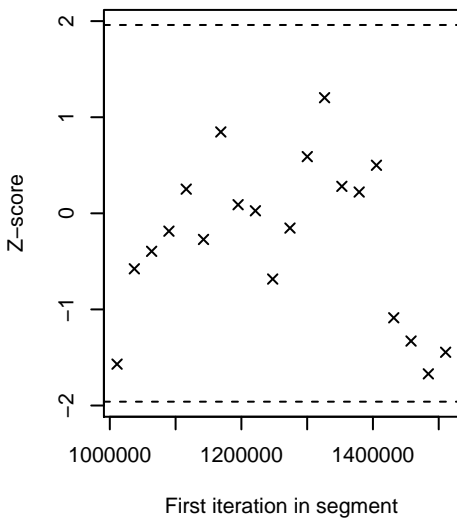
**p[26,1] (chain3)**



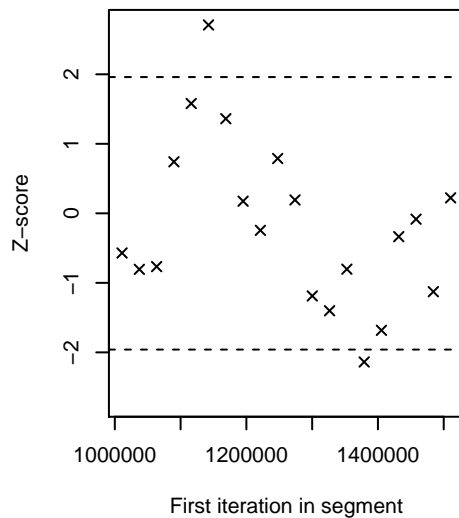
**p[27,1] (chain3)**



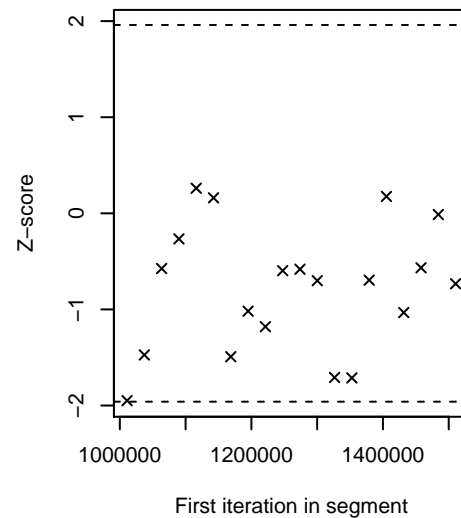
**p[28,1] (chain3)**



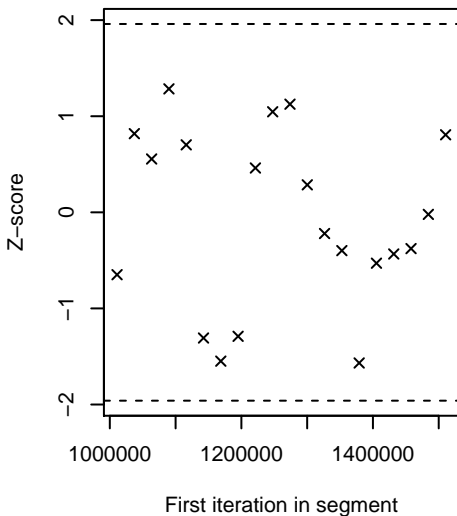
**p[29,1] (chain3)**



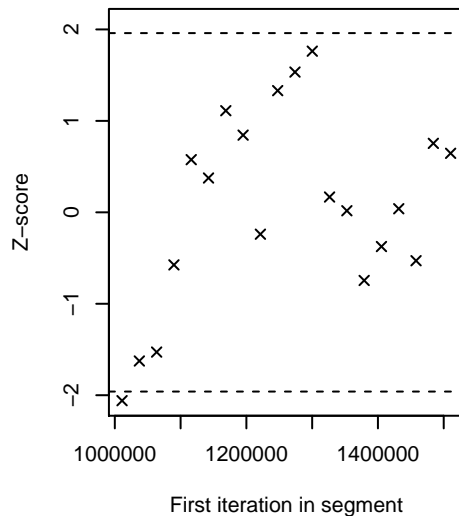
**p[30,1] (chain3)**



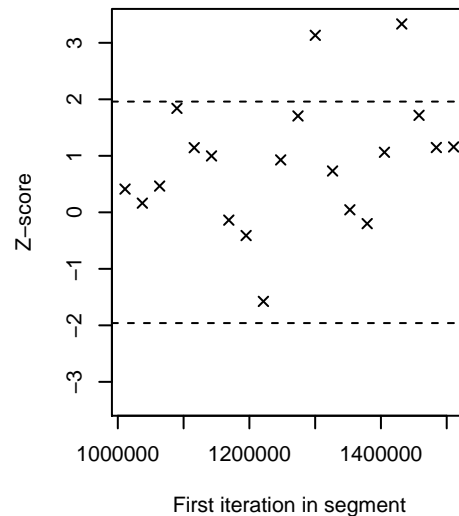
**p[31,1] (chain3)**



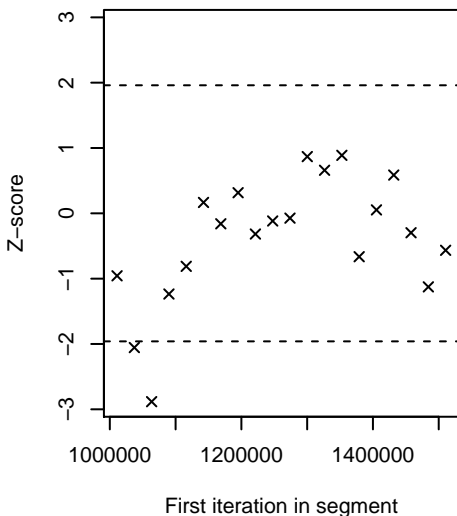
**p[32,1] (chain3)**



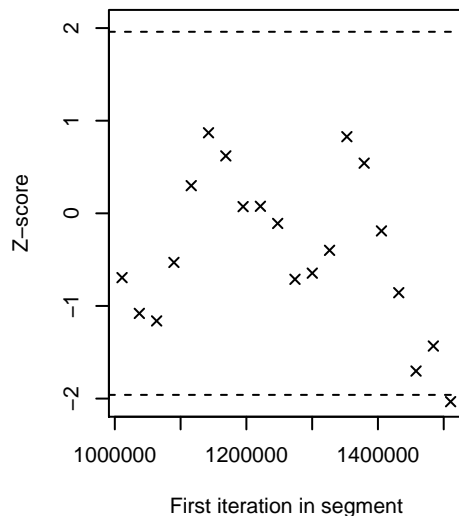
**p[33,1] (chain3)**



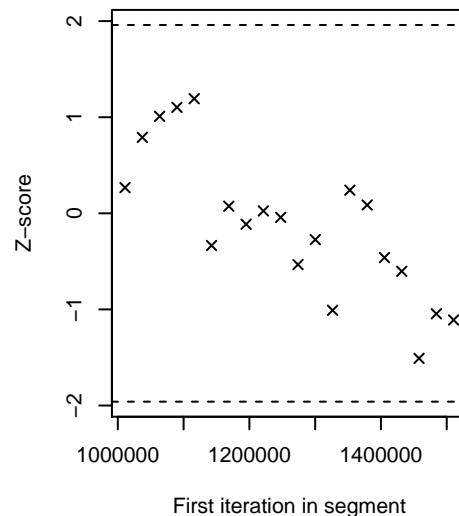
**p[34,1] (chain3)**



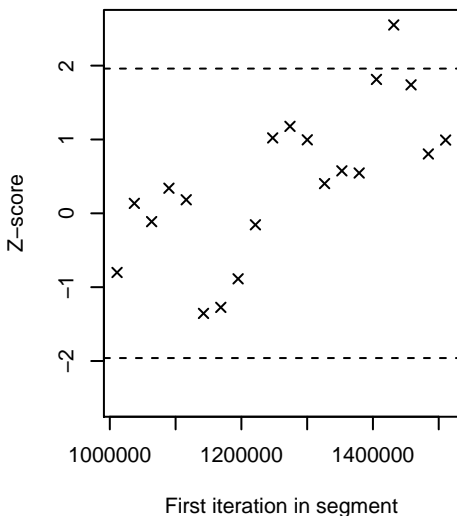
**p[35,1] (chain3)**



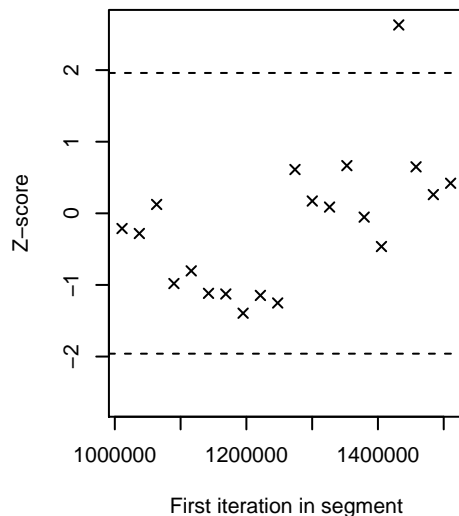
**p[36,1] (chain3)**



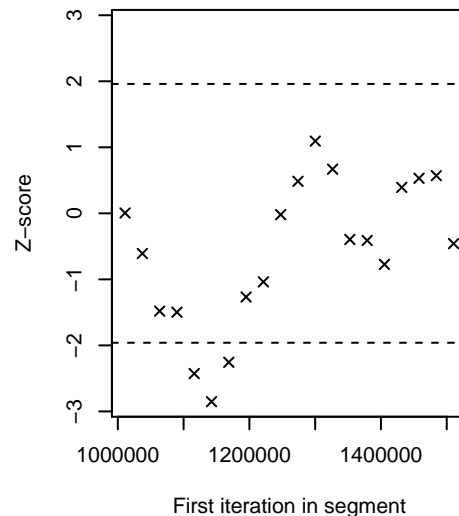
**p[37,1] (chain3)**



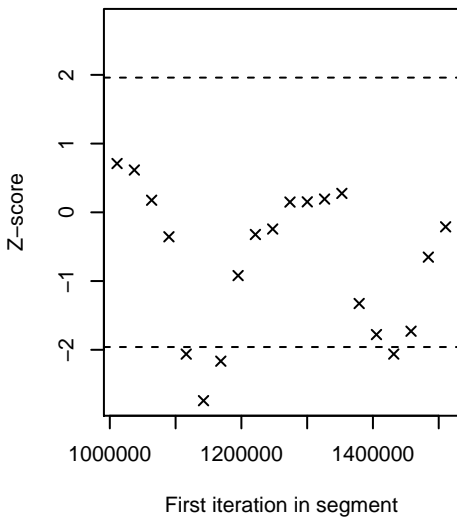
**p[38,1] (chain3)**



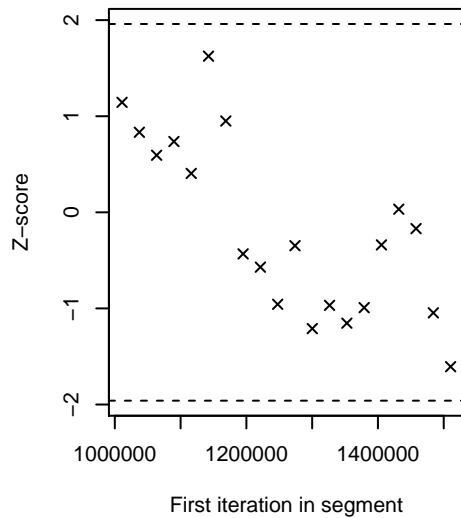
**p[39,1] (chain3)**



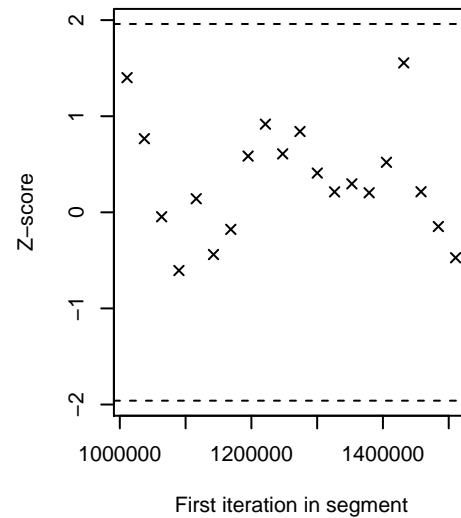
**p[1,2] (chain3)**



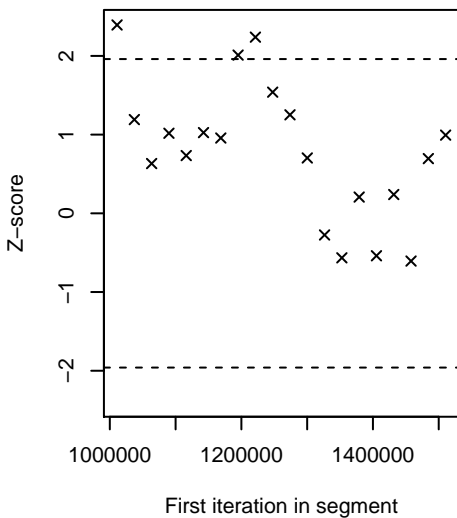
**p[2,2] (chain3)**



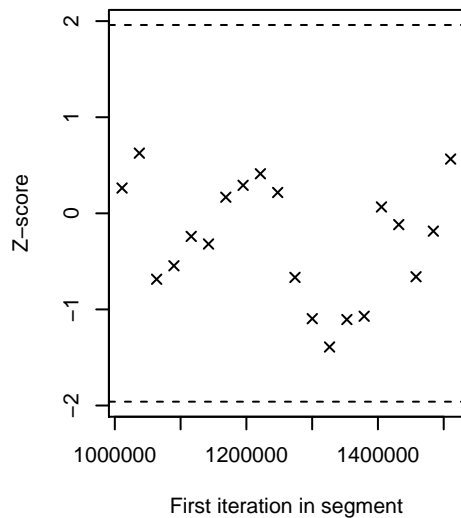
**p[3,2] (chain3)**



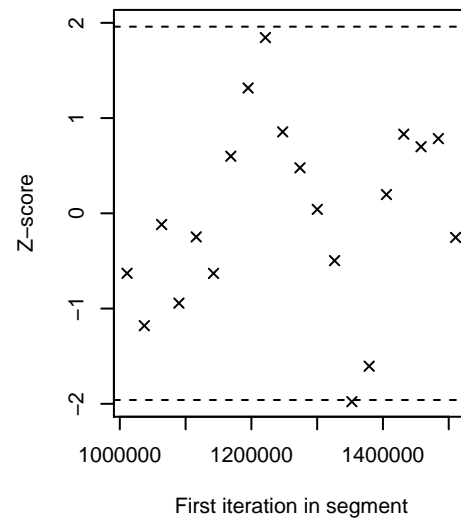
**p[4,2] (chain3)**



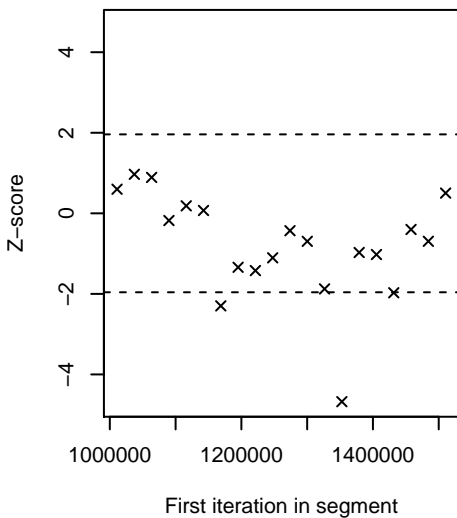
**p[5,2] (chain3)**



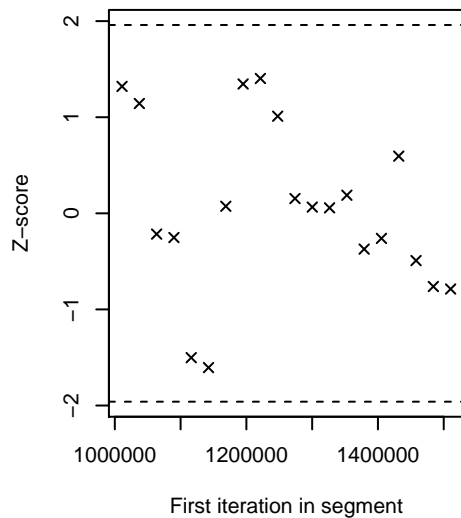
**p[6,2] (chain3)**



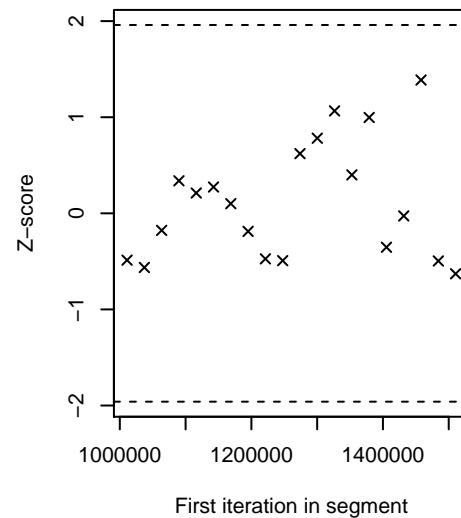
**p[7,2] (chain3)**



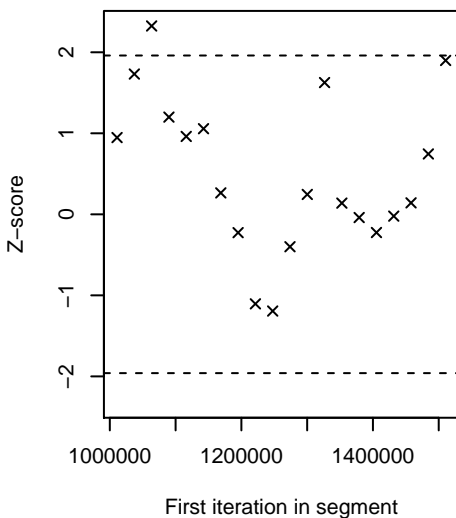
**p[8,2] (chain3)**



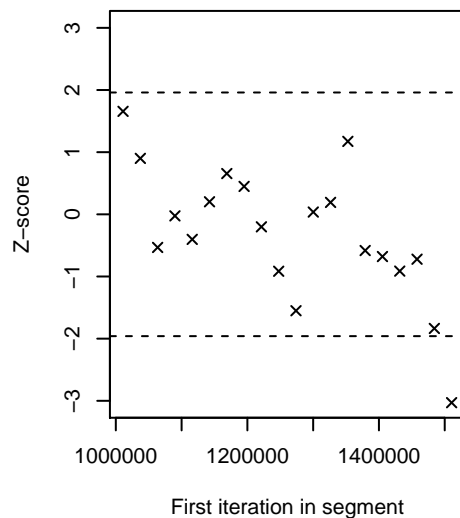
**p[9,2] (chain3)**



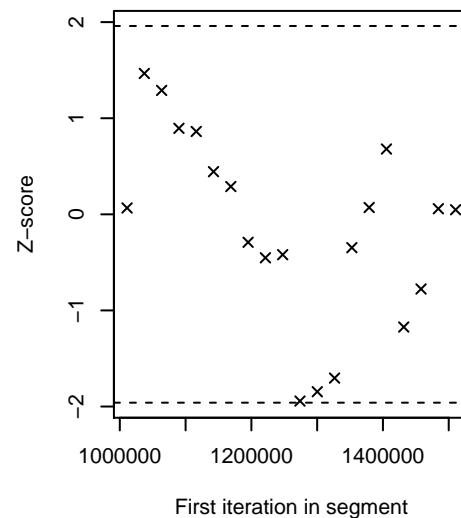
**p[10,2] (chain3)**



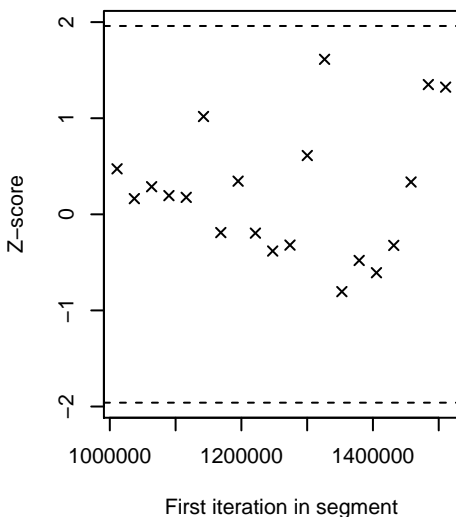
**p[11,2] (chain3)**



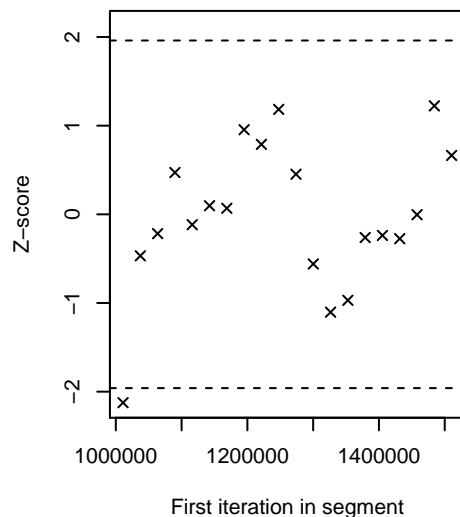
**p[12,2] (chain3)**



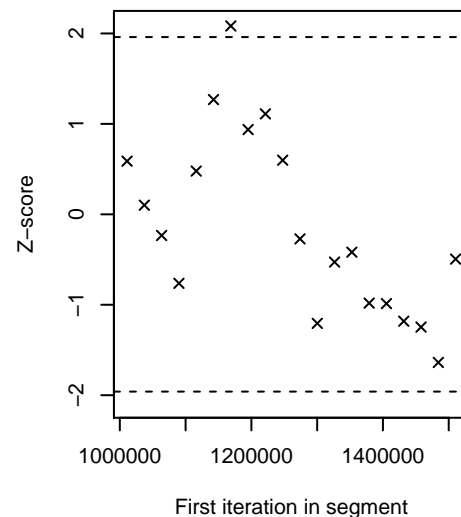
**p[13,2] (chain3)**



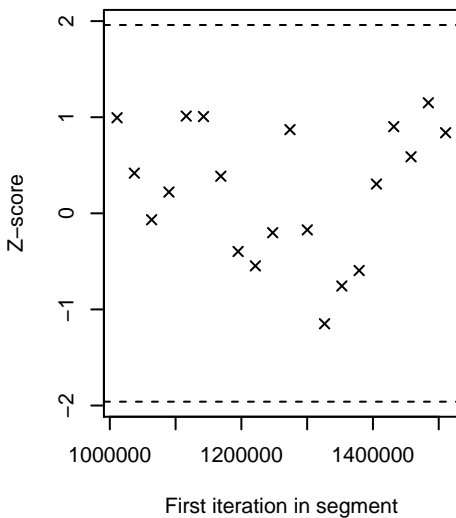
**p[14,2] (chain3)**



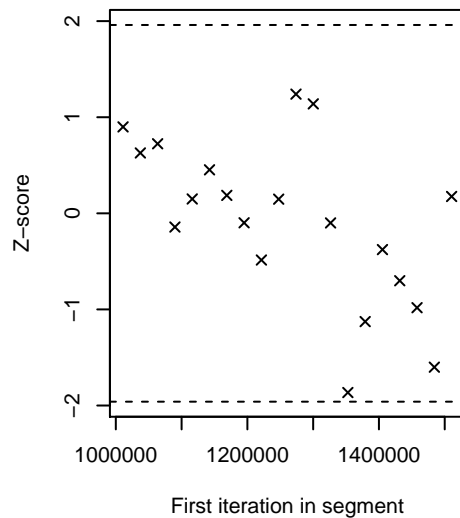
**p[15,2] (chain3)**



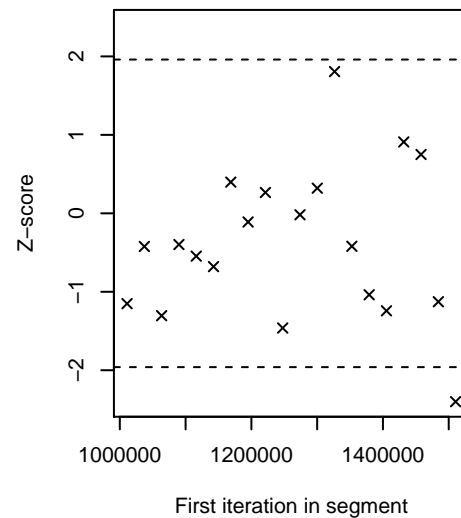
**p[16,2] (chain3)**



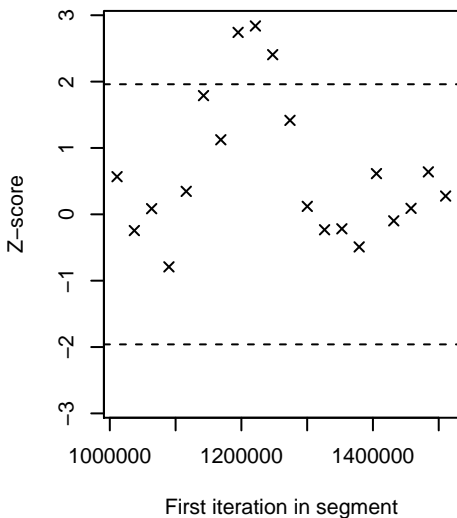
**p[17,2] (chain3)**



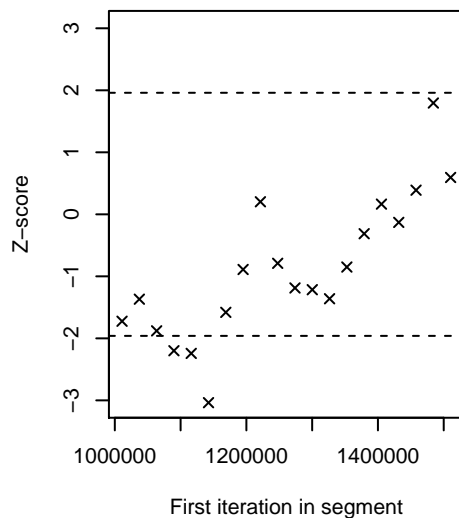
**p[18,2] (chain3)**



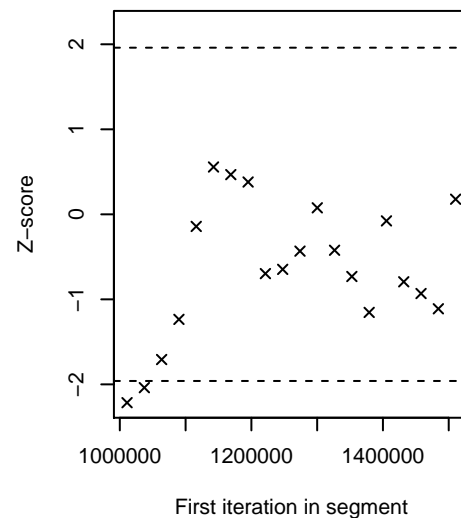
**p[19,2] (chain3)**



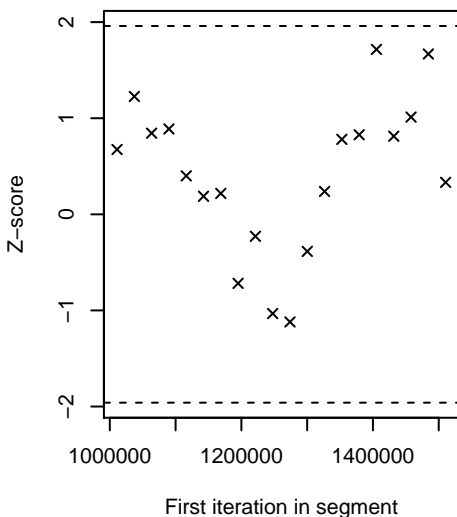
**p[20,2] (chain3)**



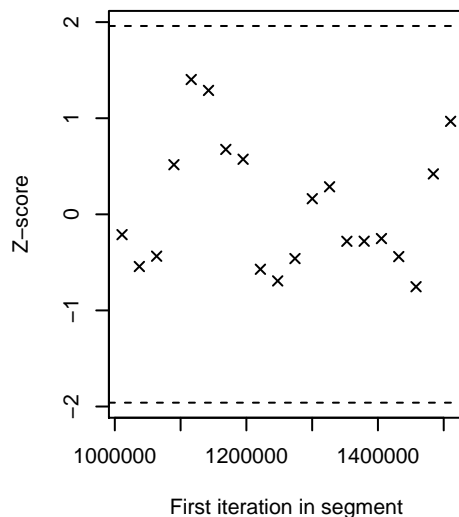
**p[21,2] (chain3)**



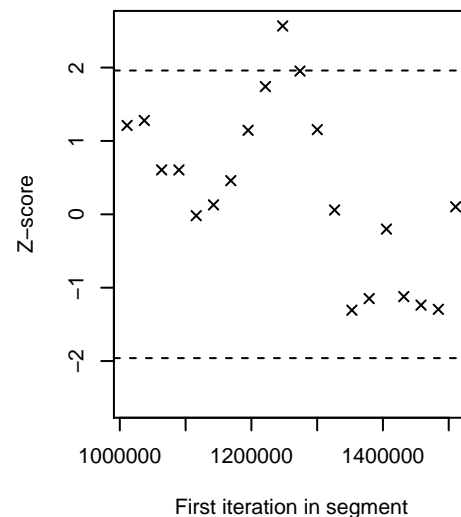
**p[22,2] (chain3)**



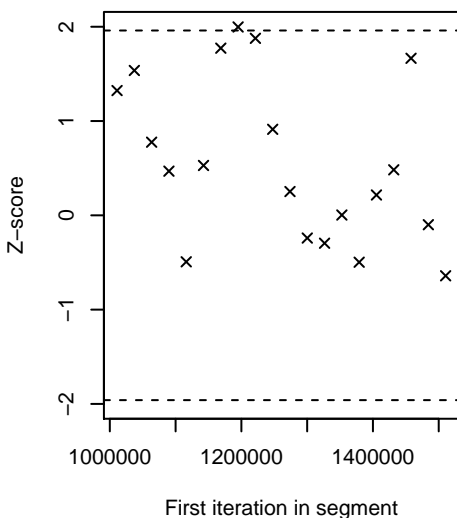
**p[23,2] (chain3)**



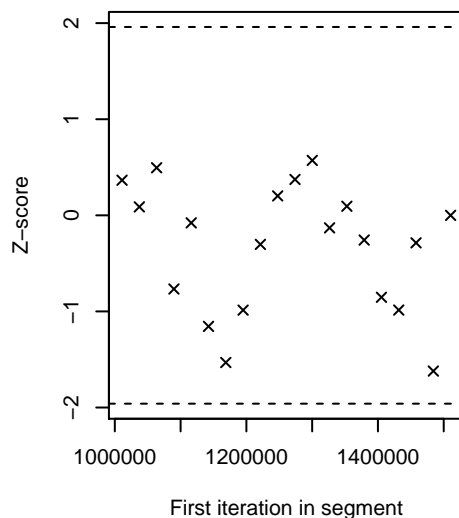
**p[24,2] (chain3)**



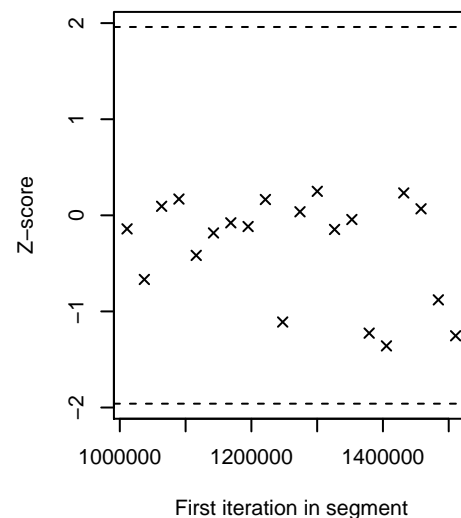
**p[25,2] (chain3)**



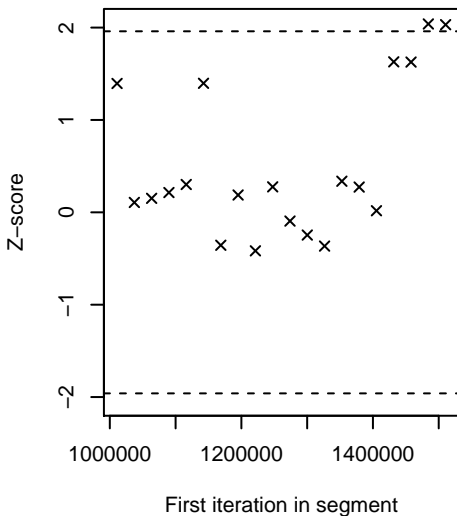
**p[26,2] (chain3)**



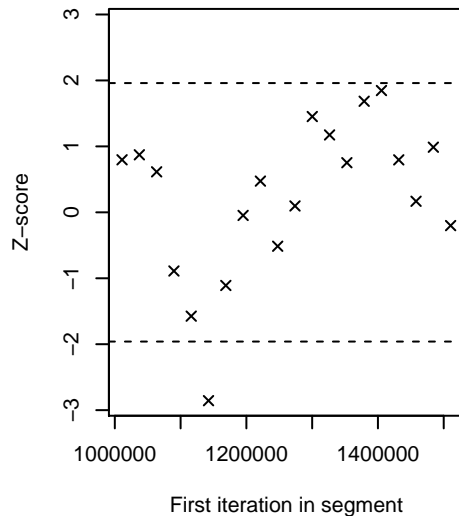
**p[27,2] (chain3)**



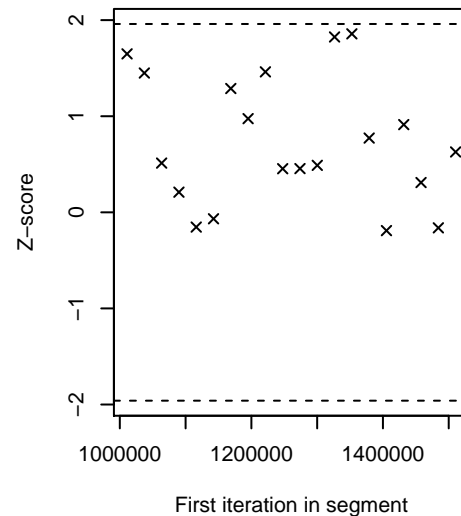
**p[28,2] (chain3)**



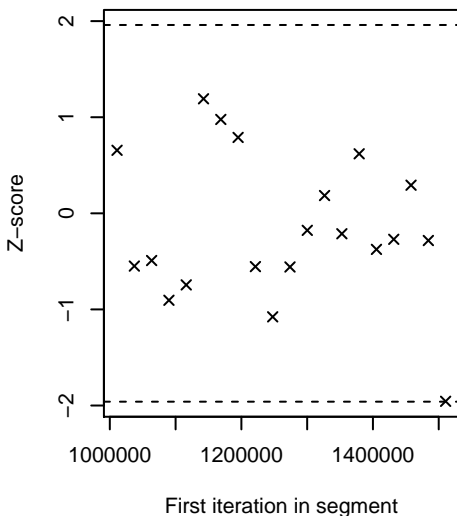
**p[29,2] (chain3)**



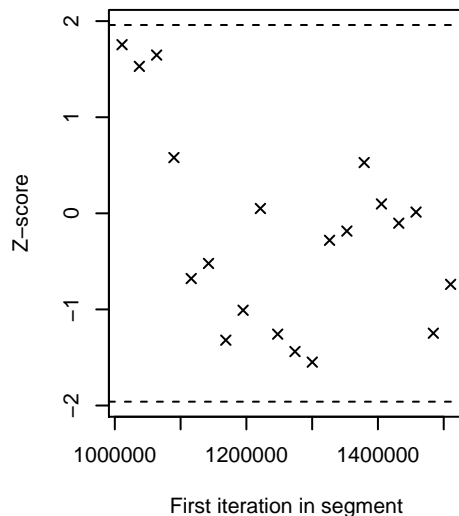
**p[30,2] (chain3)**



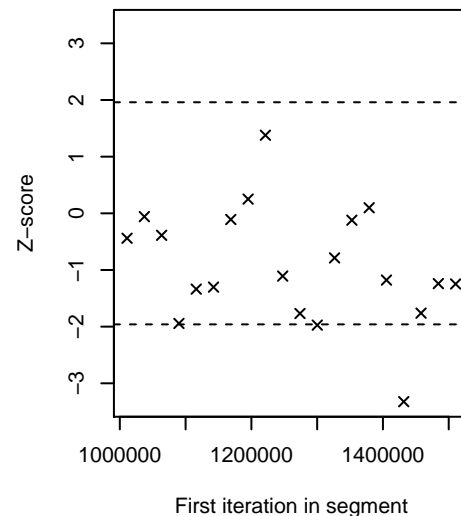
**p[31,2] (chain3)**



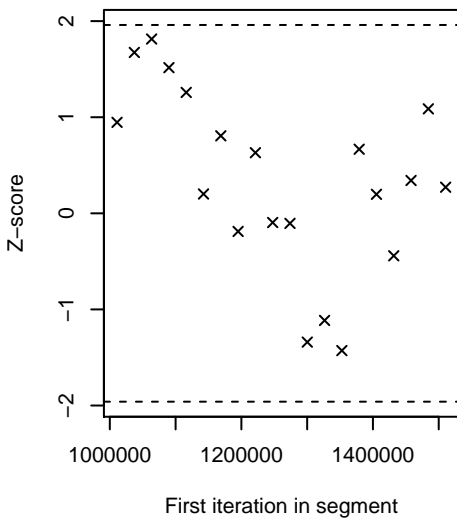
**p[32,2] (chain3)**



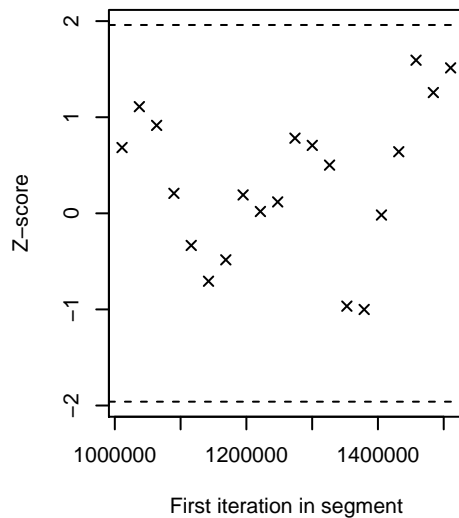
**p[33,2] (chain3)**



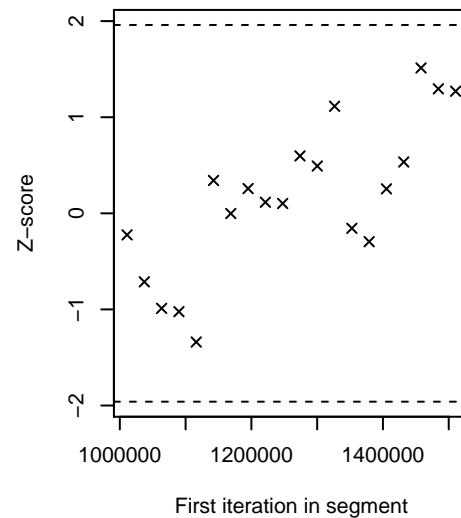
**p[34,2] (chain3)**



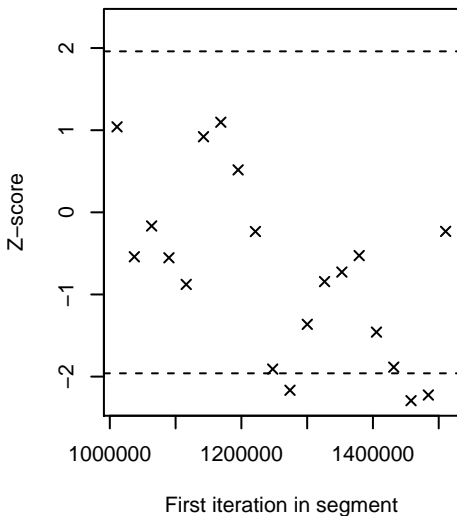
**p[35,2] (chain3)**



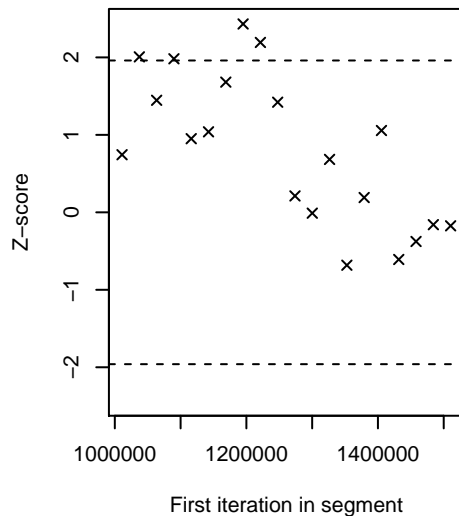
**p[36,2] (chain3)**



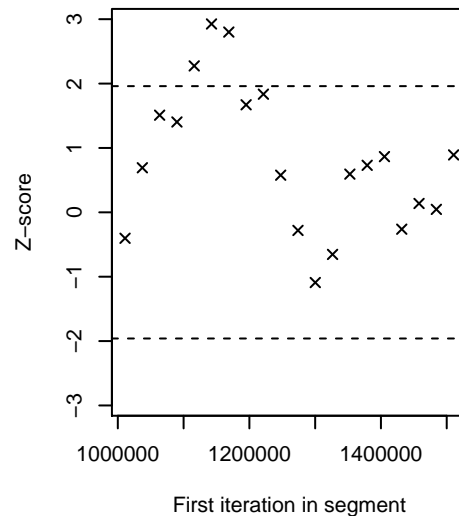
**p[37,2] (chain3)**



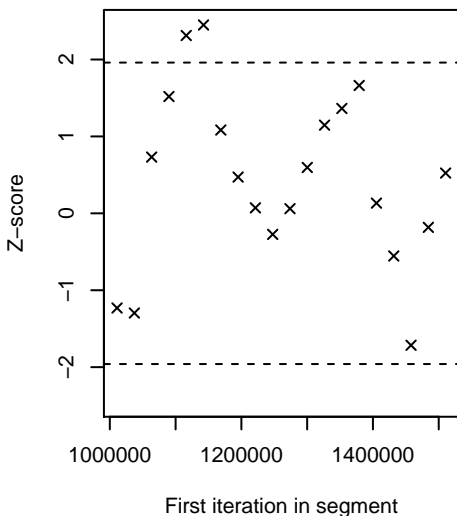
**p[38,2] (chain3)**



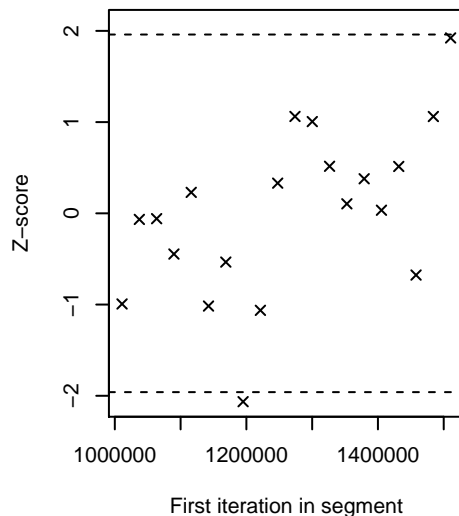
**p[39,2] (chain3)**



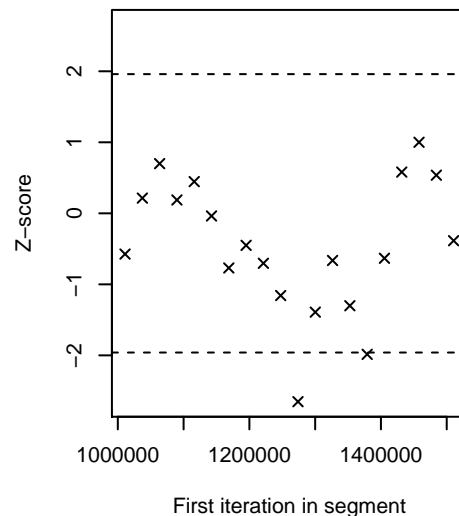
**p[1,3] (chain3)**



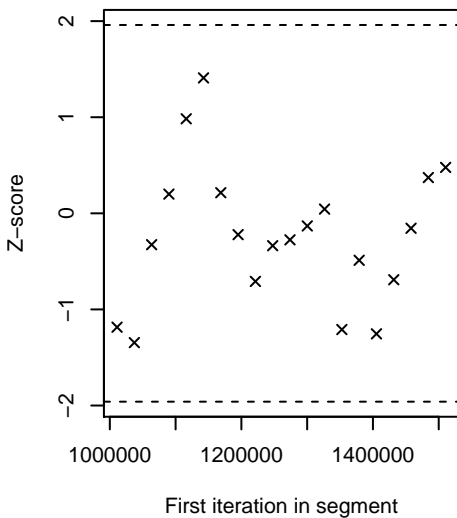
**p[2,3] (chain3)**



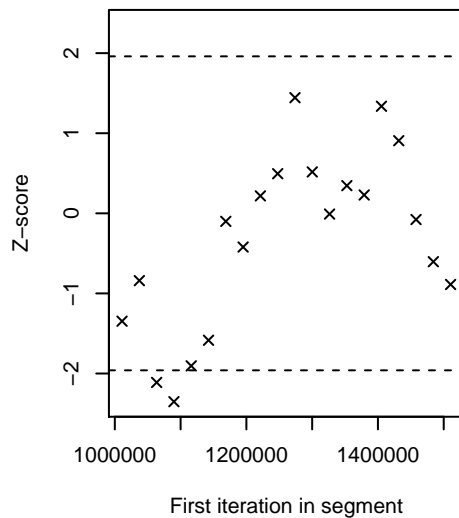
**p[3,3] (chain3)**



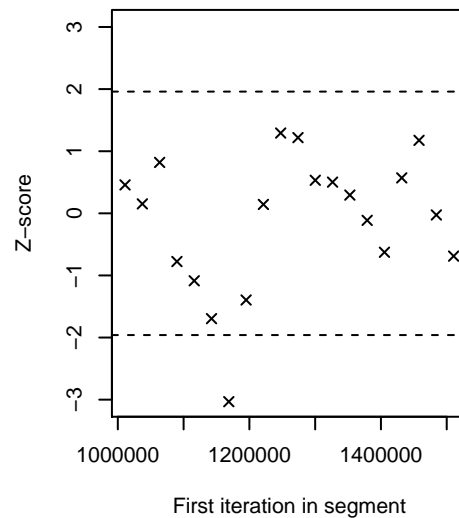
**p[4,3] (chain3)**



**p[5,3] (chain3)**

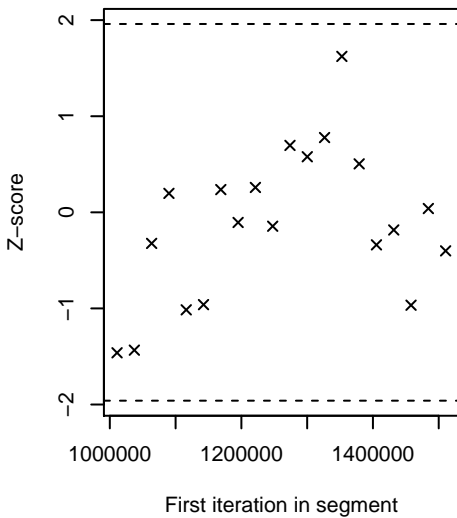


**p[6,3] (chain3)**

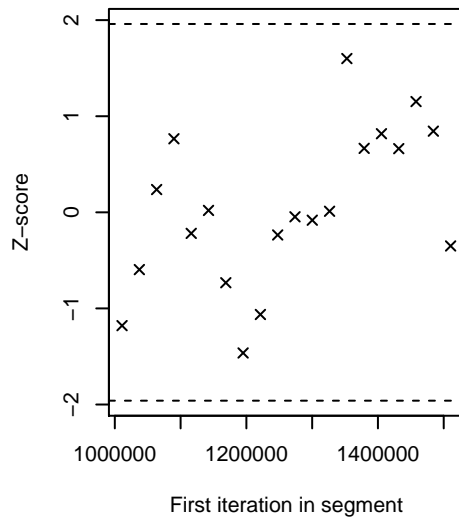




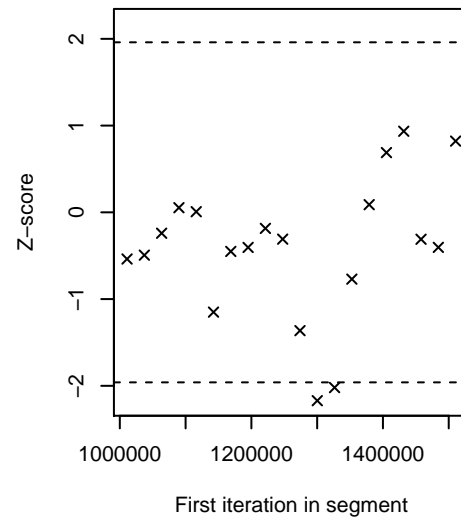
**p[7,3] (chain3)**



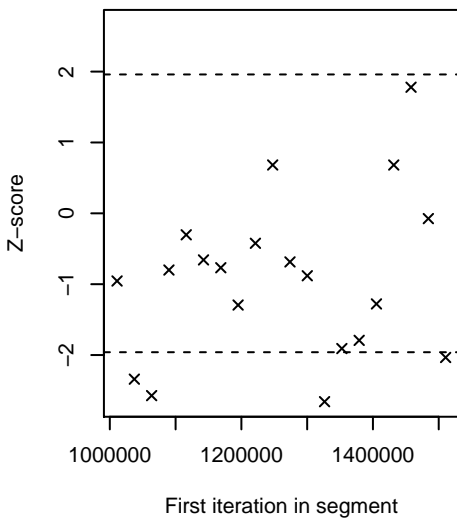
**p[8,3] (chain3)**



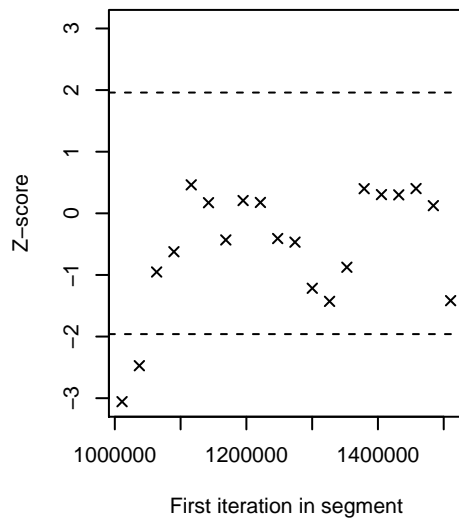
**p[9,3] (chain3)**



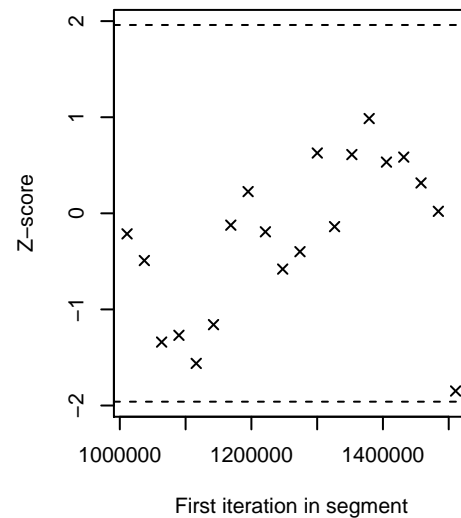
**p[10,3] (chain3)**



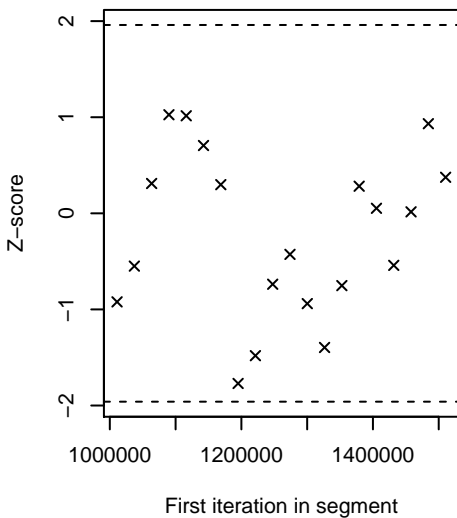
**p[11,3] (chain3)**



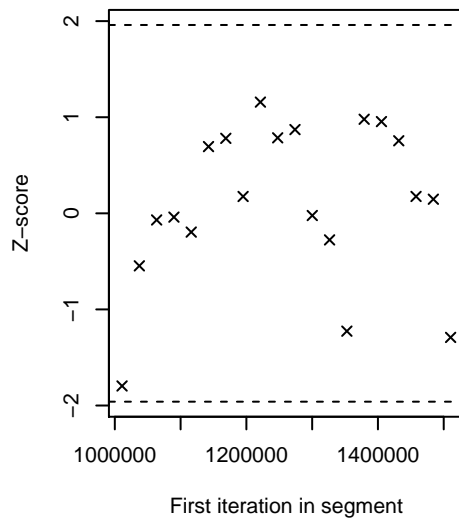
**p[12,3] (chain3)**



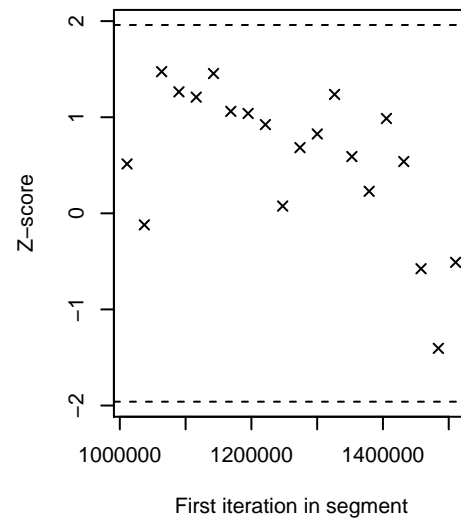
**p[13,3] (chain3)**



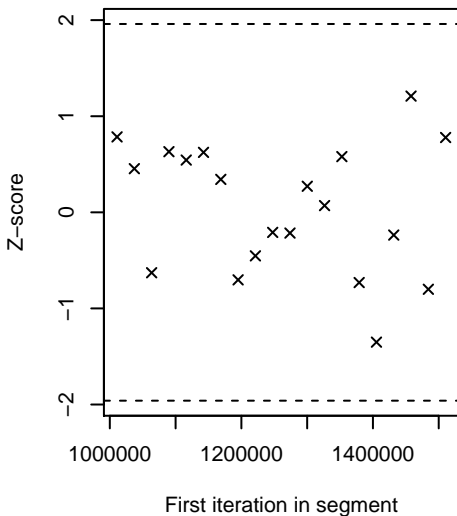
**p[14,3] (chain3)**



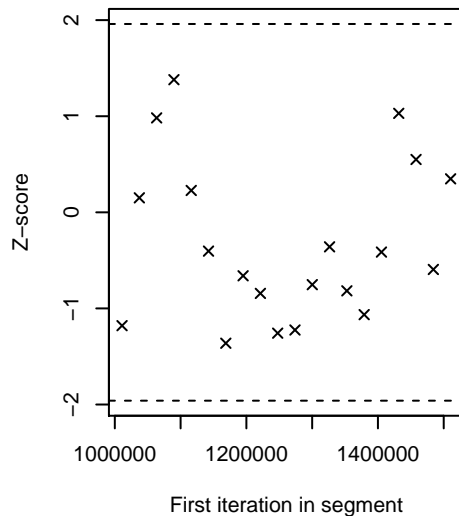
**p[15,3] (chain3)**



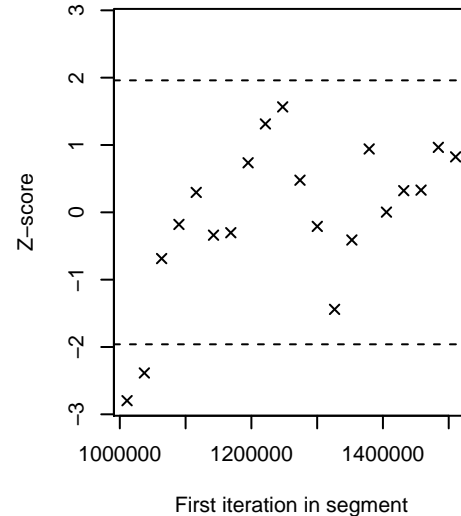
**p[16,3] (chain3)**



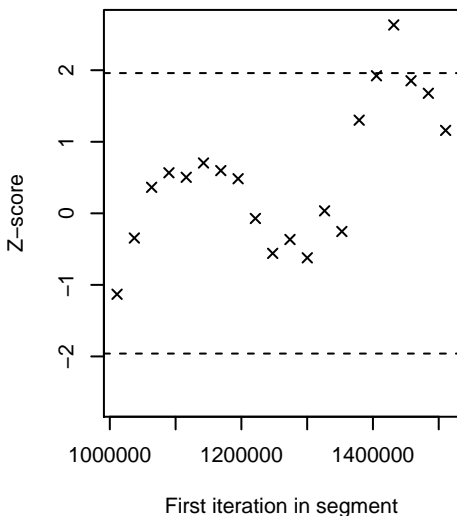
**p[17,3] (chain3)**



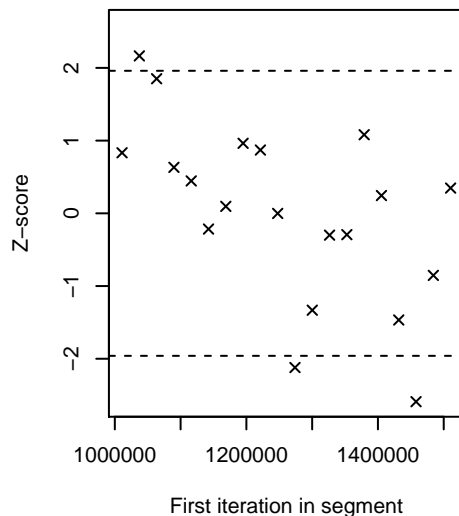
**p[18,3] (chain3)**



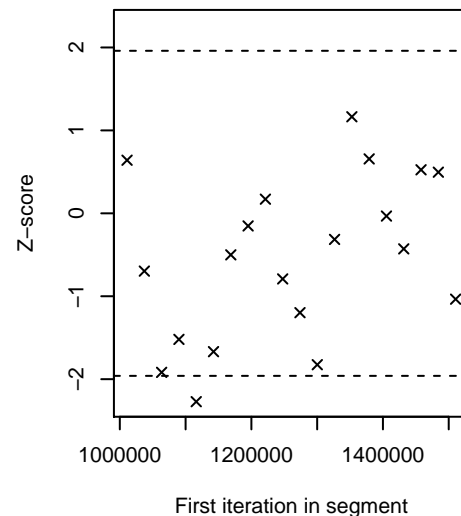
**p[19,3] (chain3)**



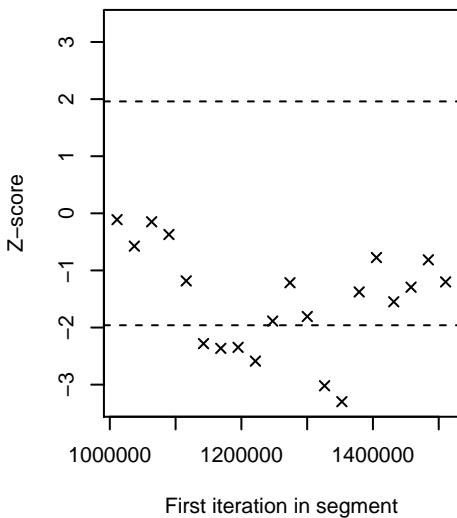
**p[20,3] (chain3)**



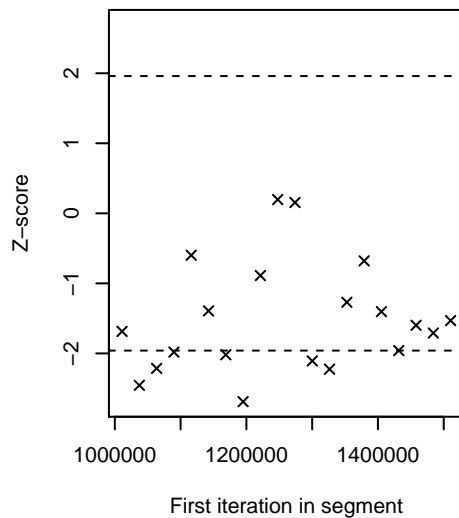
**p[21,3] (chain3)**



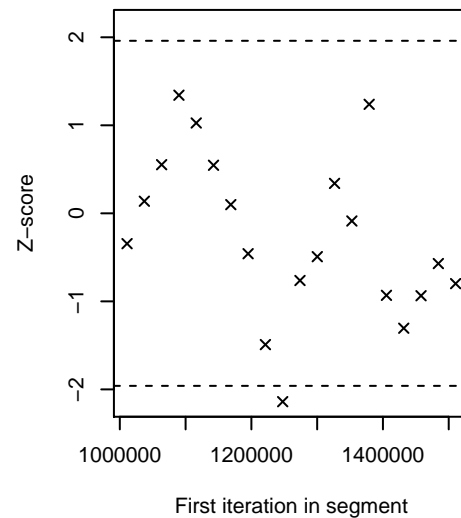
**p[22,3] (chain3)**



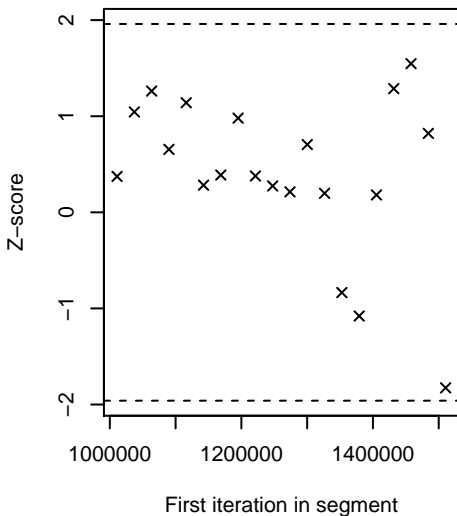
**p[23,3] (chain3)**



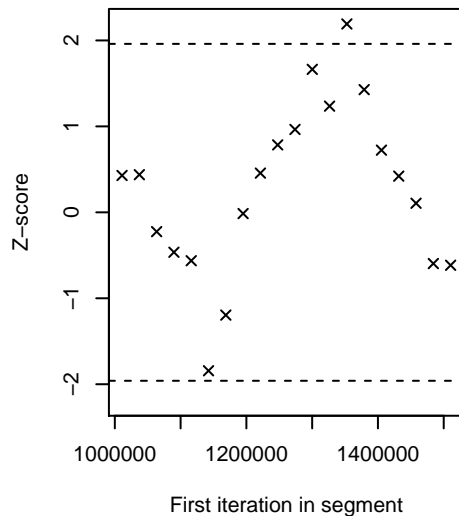
**p[24,3] (chain3)**



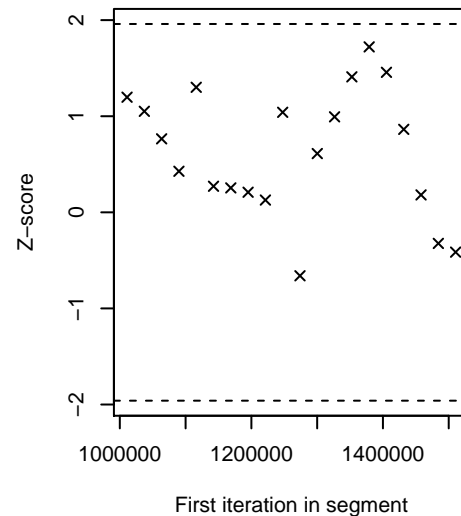
**p[25,3] (chain3)**



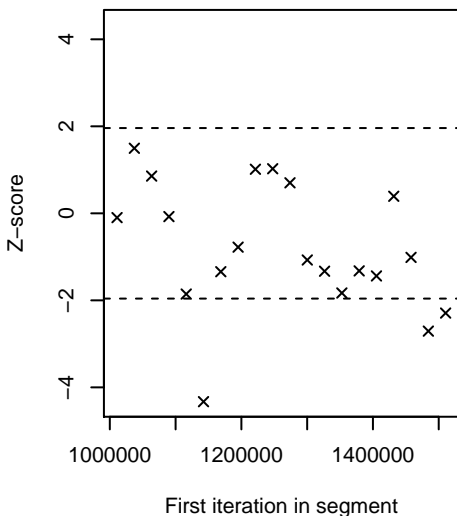
**p[26,3] (chain3)**



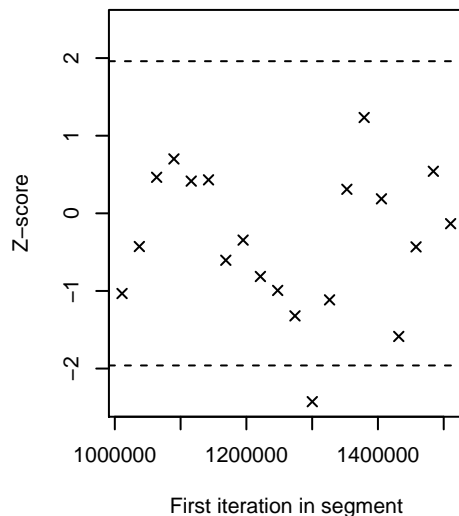
**p[27,3] (chain3)**



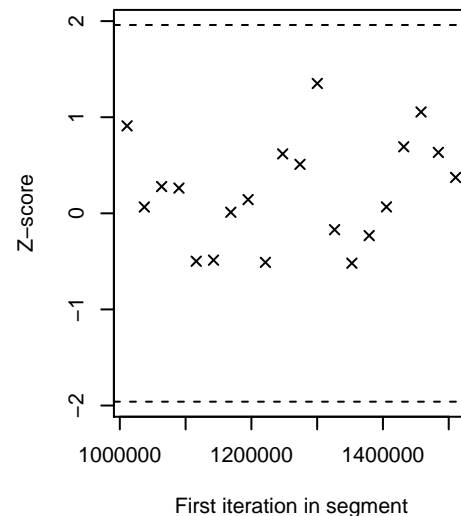
**p[28,3] (chain3)**



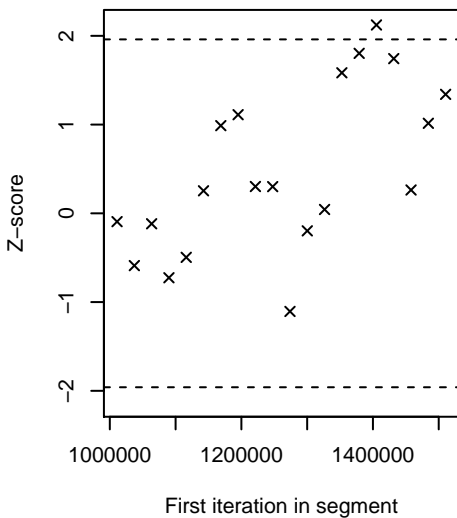
**p[29,3] (chain3)**



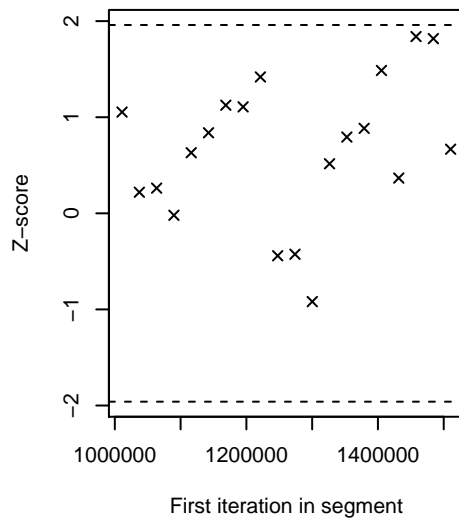
**p[30,3] (chain3)**



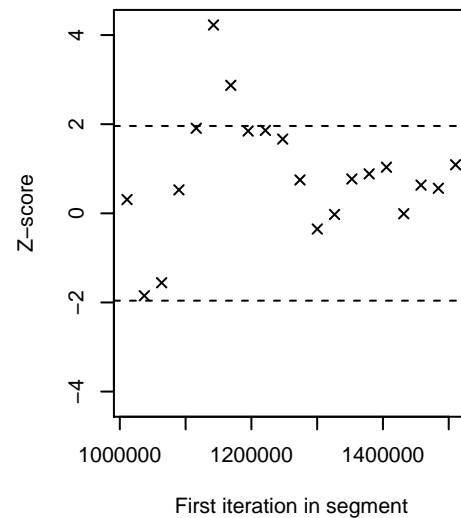
**p[31,3] (chain3)**



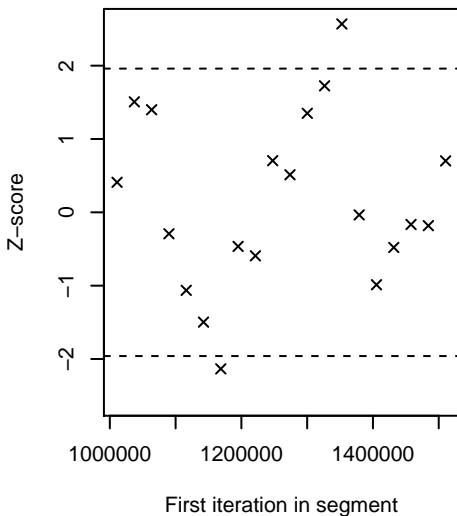
**p[32,3] (chain3)**



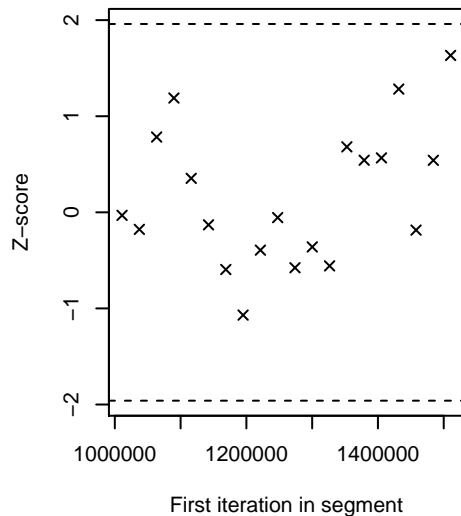
**p[33,3] (chain3)**



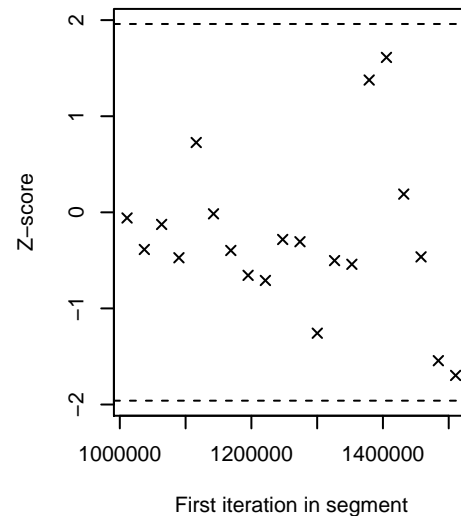
**p[34,3] (chain3)**



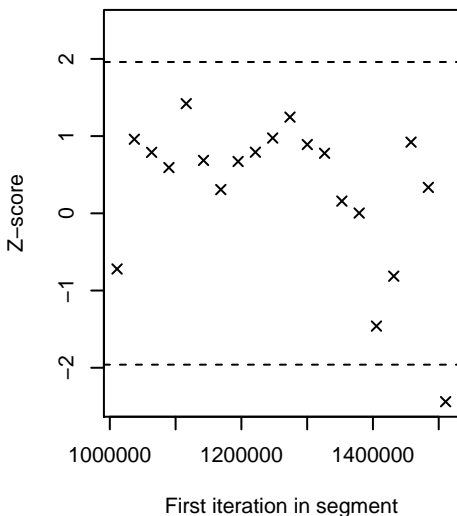
**p[35,3] (chain3)**



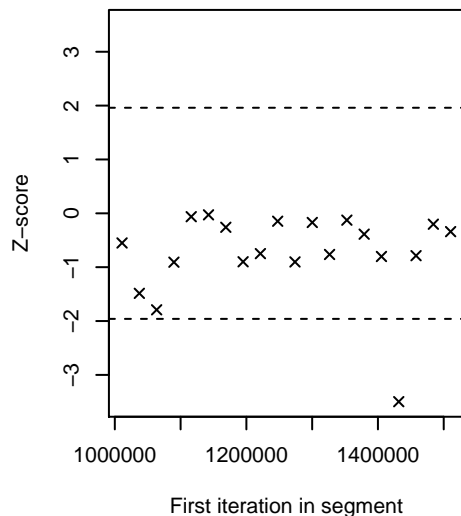
**p[36,3] (chain3)**



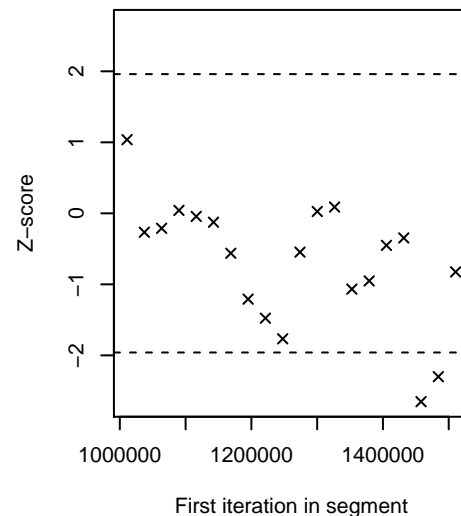
**p[37,3] (chain3)**



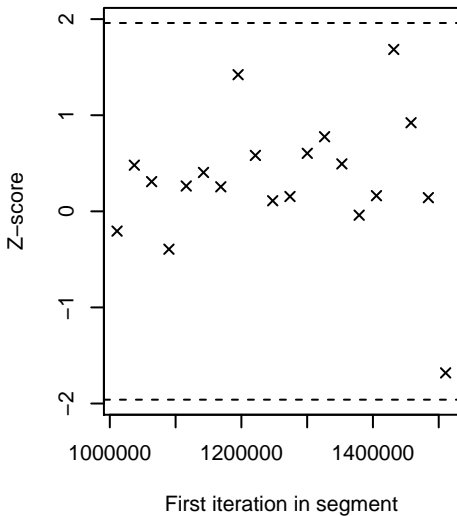
**p[38,3] (chain3)**



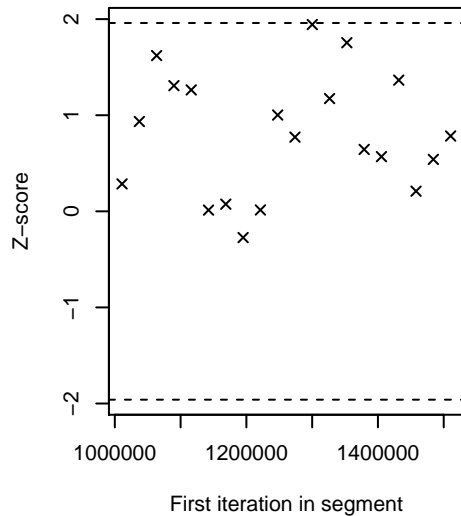
**p[39,3] (chain3)**



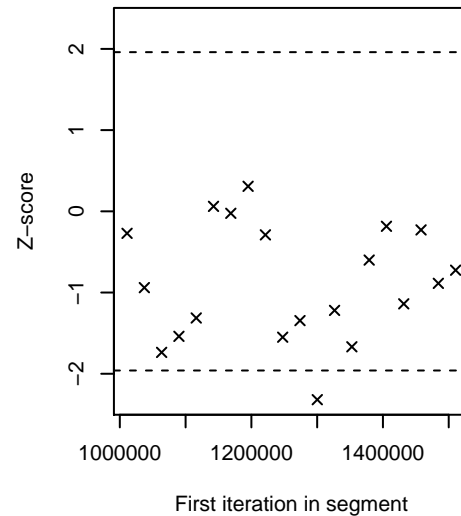
**phi (chain3)**



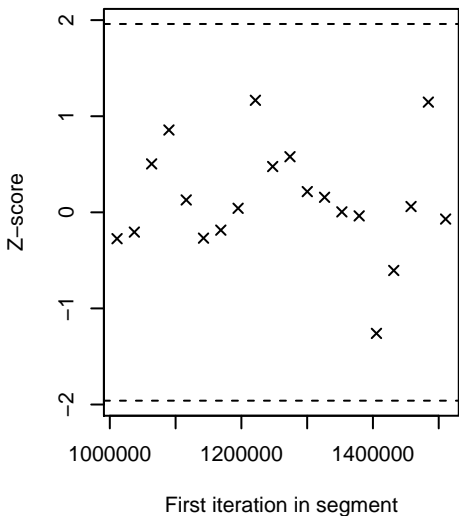
**pi[1] (chain3)**



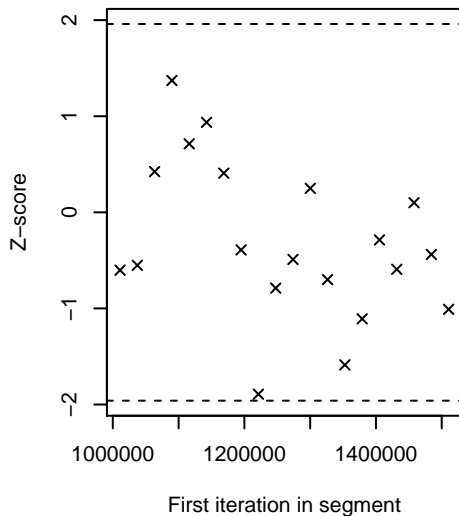
**pi[2] (chain3)**



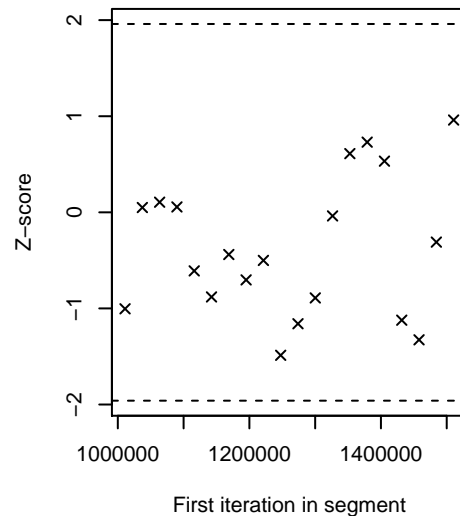
**pi[3] (chain3)**



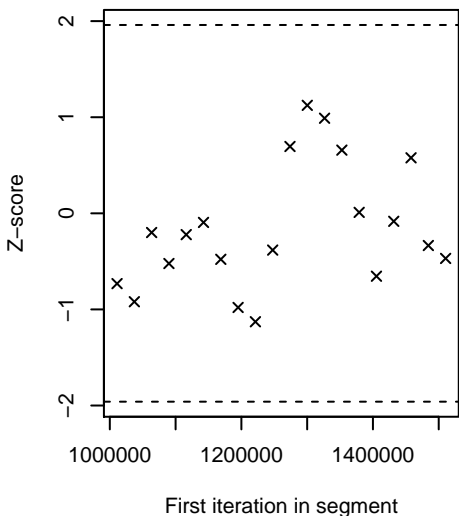
**q[1,1] (chain3)**



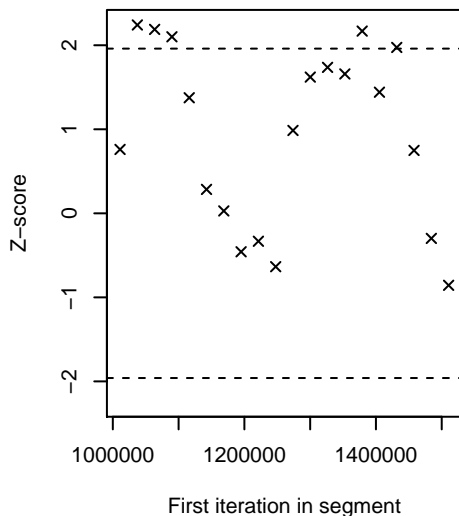
**q[2,1] (chain3)**



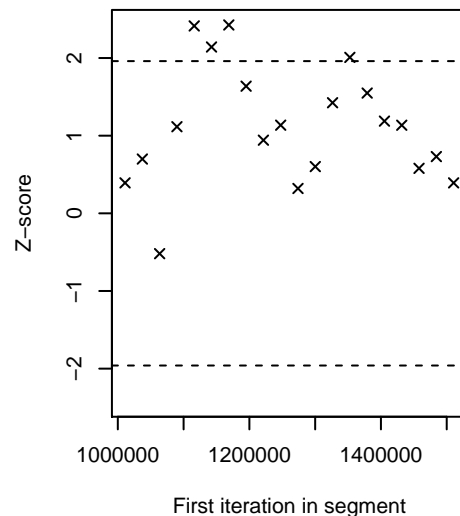
**q[3,1] (chain3)**



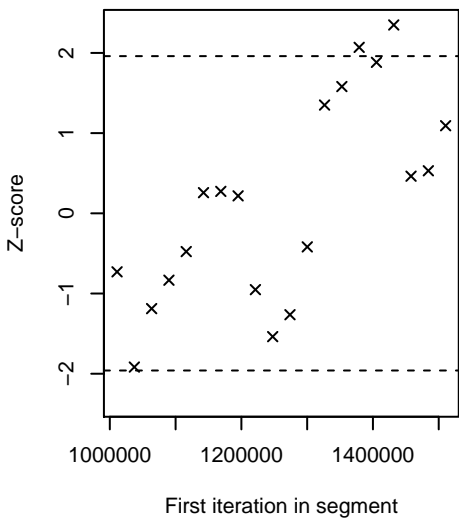
**q[4,1] (chain3)**



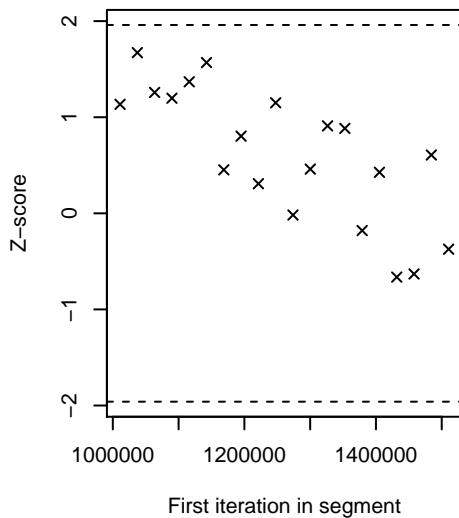
**q[5,1] (chain3)**



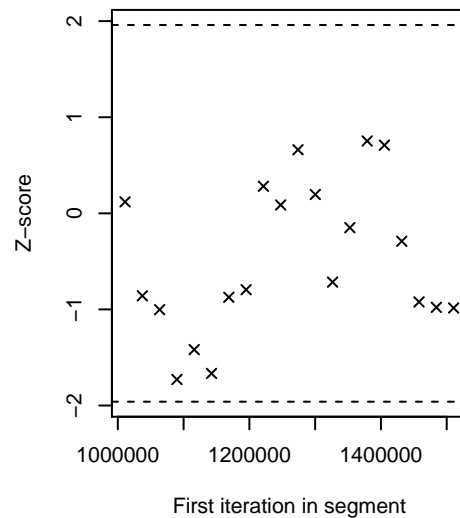
**q[6,1] (chain3)**



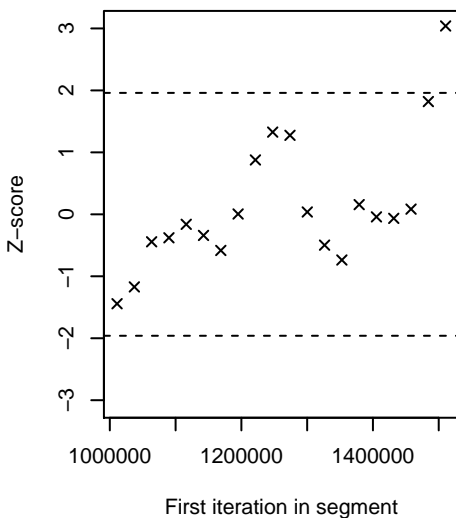
**q[7,1] (chain3)**



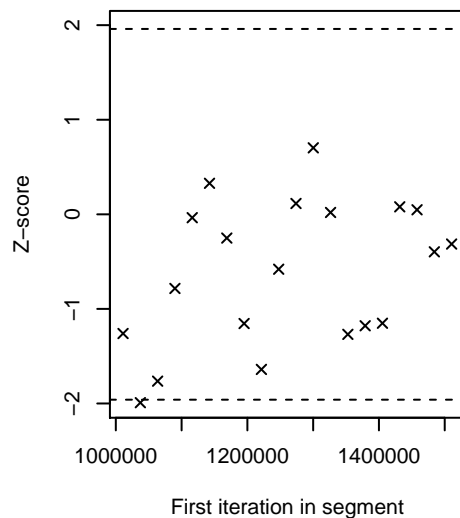
**q[8,1] (chain3)**



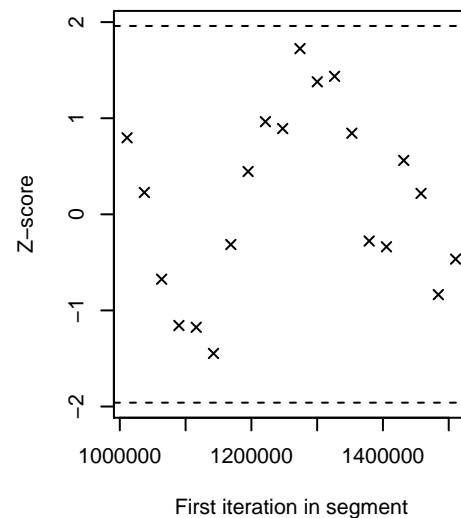
**q[9,1] (chain3)**



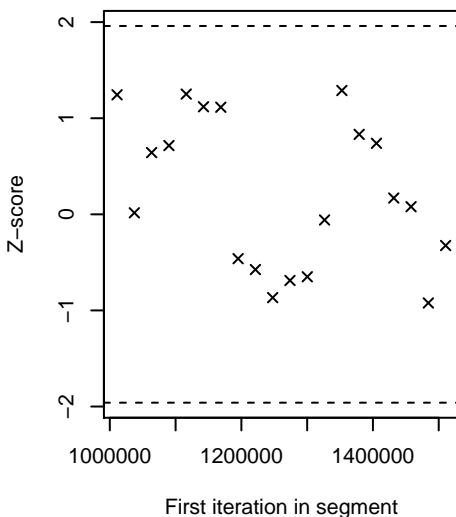
**q[10,1] (chain3)**



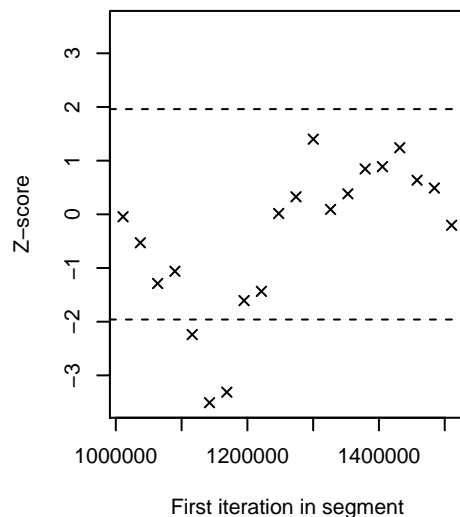
**q[11,1] (chain3)**



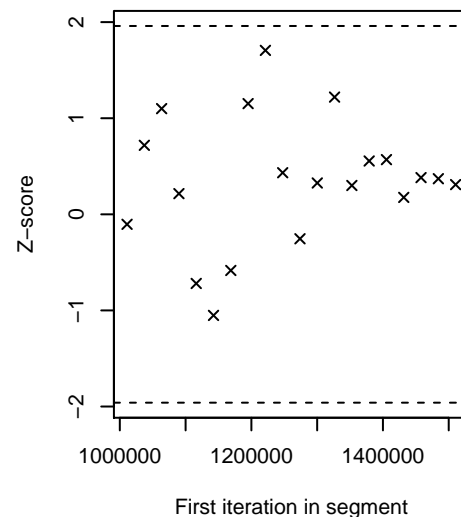
**q[12,1] (chain3)**



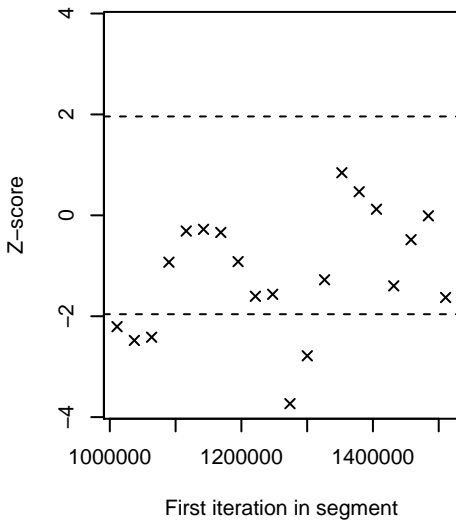
**q[13,1] (chain3)**



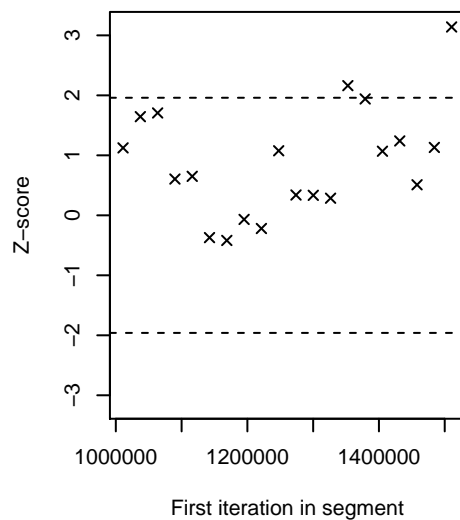
**q[14,1] (chain3)**



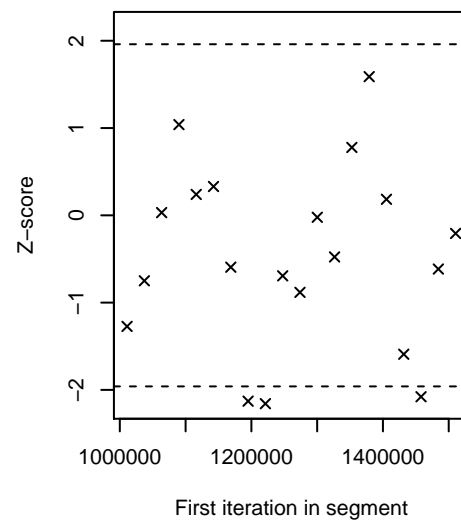
**q[15,1] (chain3)**



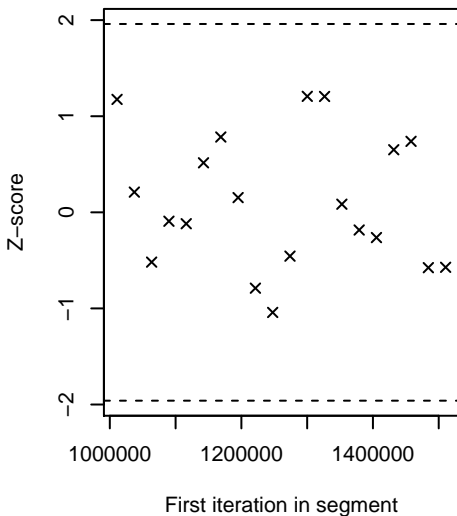
**q[16,1] (chain3)**



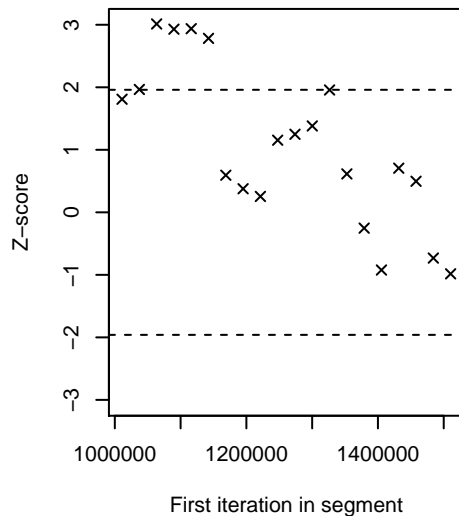
**q[17,1] (chain3)**



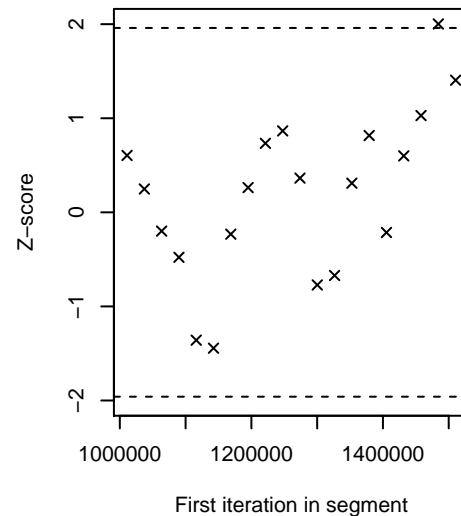
**q[18,1] (chain3)**



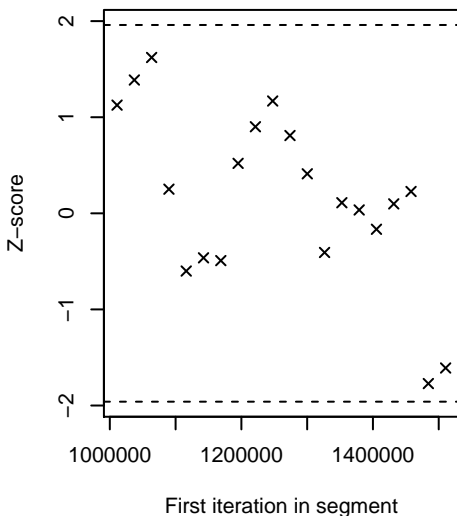
**q[19,1] (chain3)**



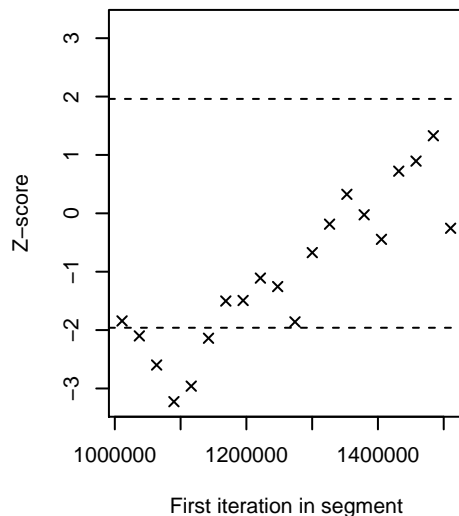
**q[20,1] (chain3)**



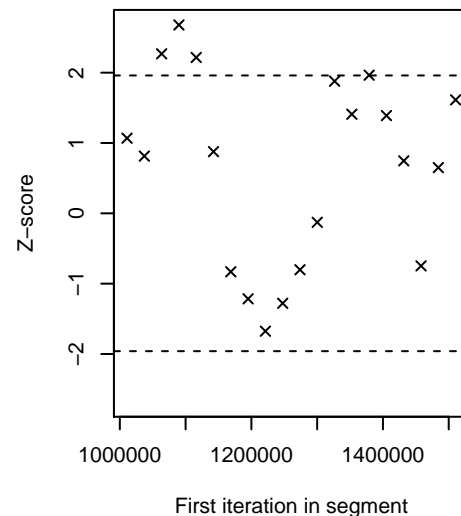
**q[21,1] (chain3)**



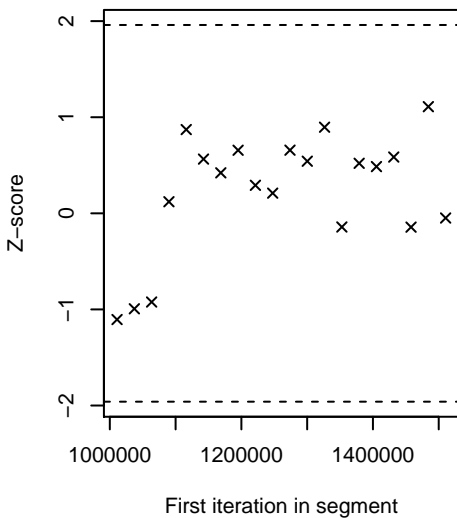
**q[22,1] (chain3)**



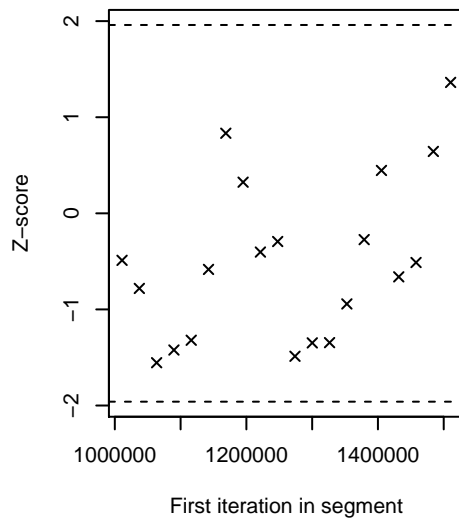
**q[23,1] (chain3)**



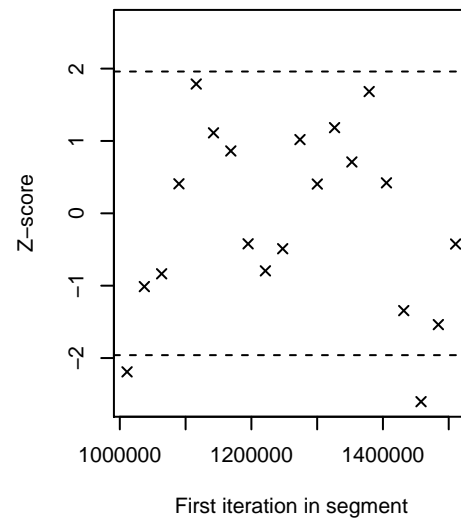
**q[24,1] (chain3)**



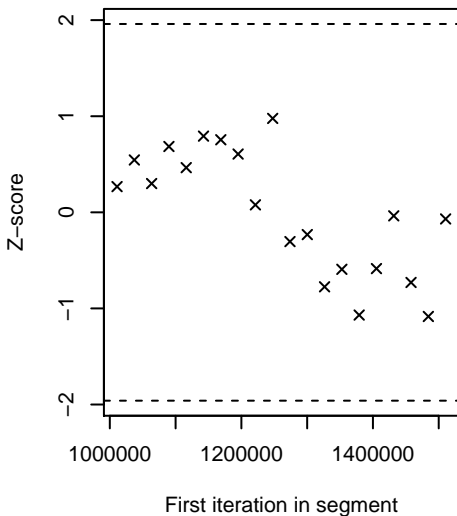
**q[25,1] (chain3)**



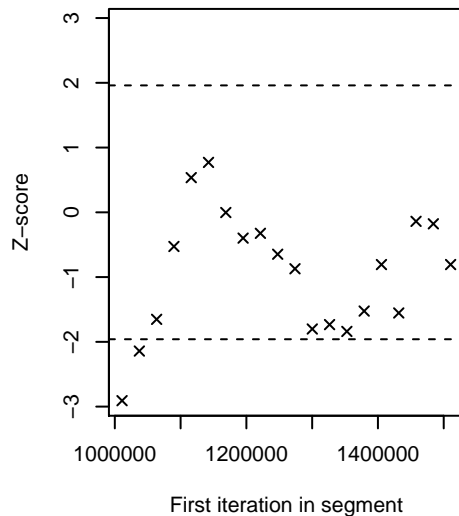
**q[26,1] (chain3)**



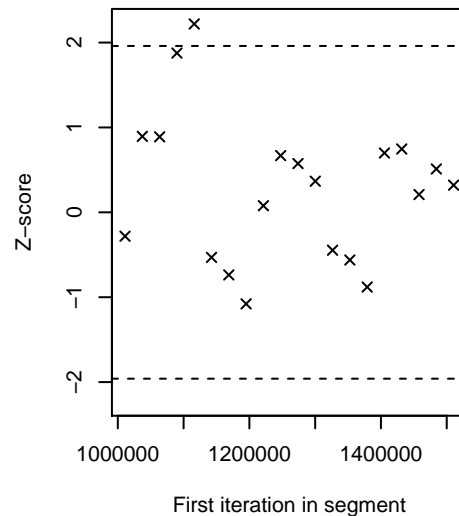
**q[27,1] (chain3)**



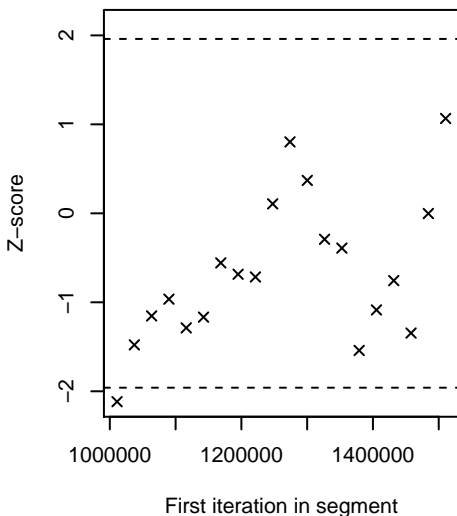
**q[28,1] (chain3)**



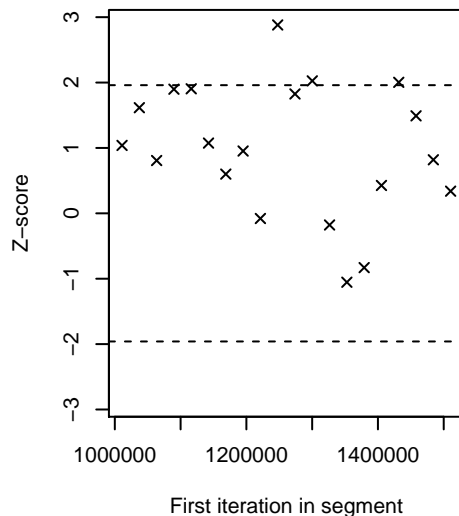
**q[29,1] (chain3)**



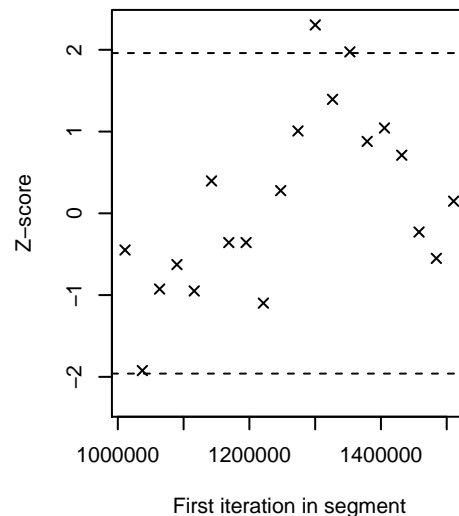
**q[30,1] (chain3)**



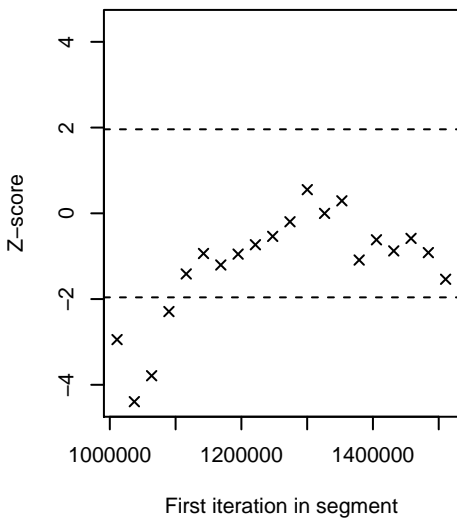
**q[31,1] (chain3)**



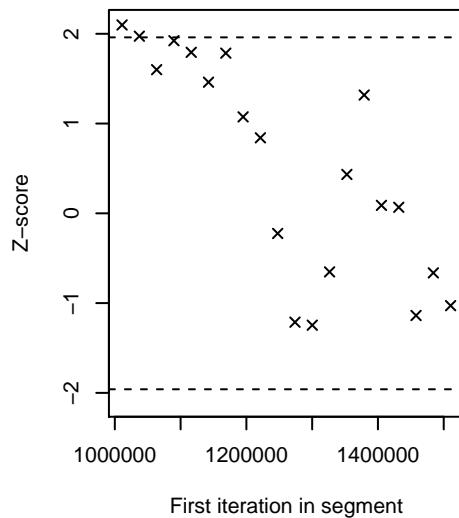
**q[32,1] (chain3)**



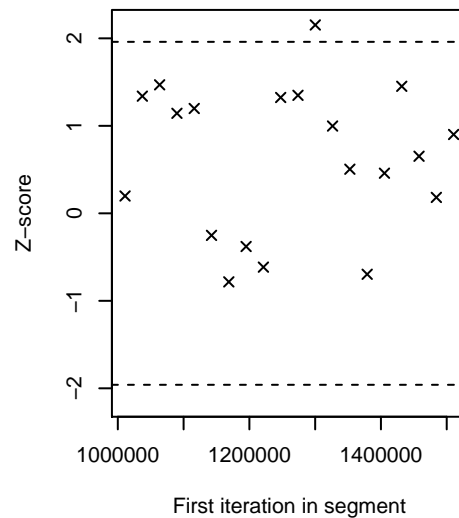
**q[33,1] (chain3)**



**q[34,1] (chain3)**

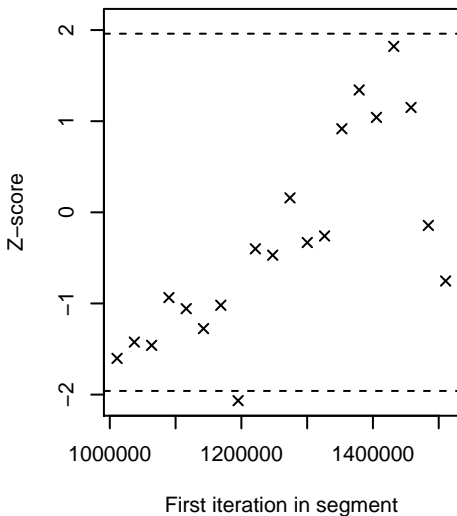


**q[35,1] (chain3)**

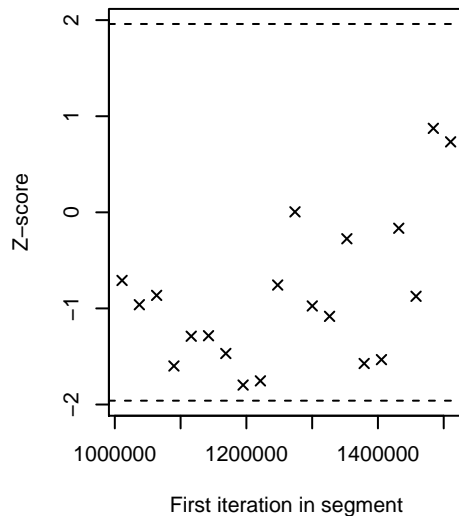




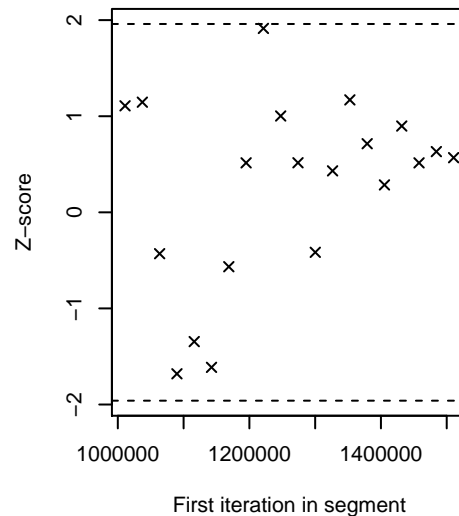
**q[36,1] (chain3)**



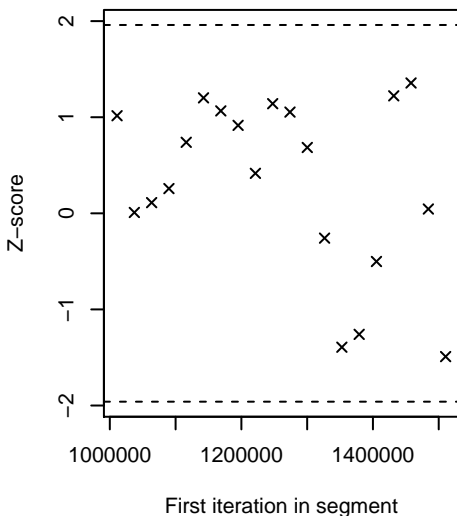
**q[37,1] (chain3)**



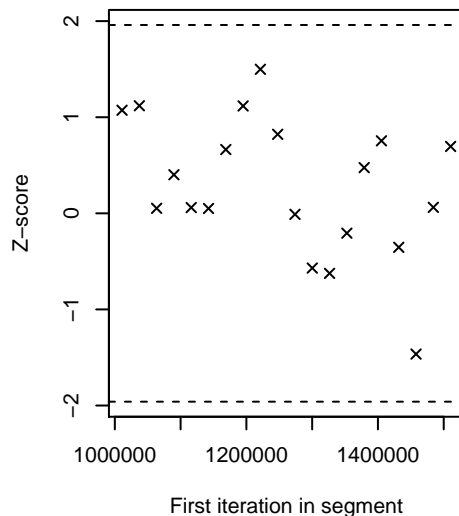
**q[1,2] (chain3)**



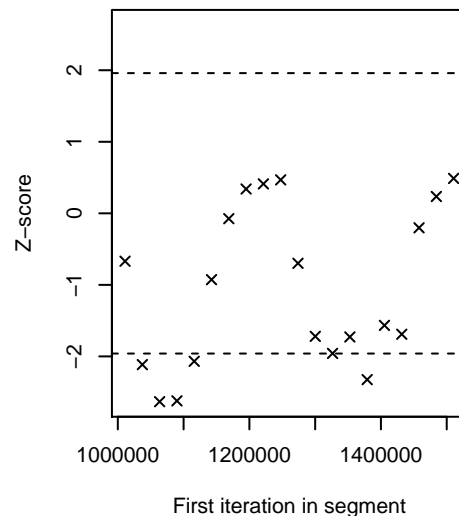
**q[2,2] (chain3)**



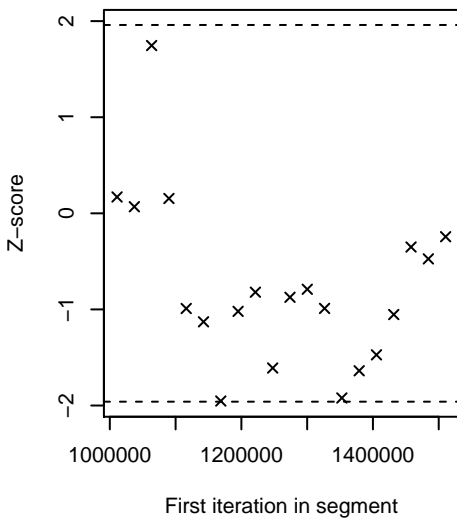
**q[3,2] (chain3)**



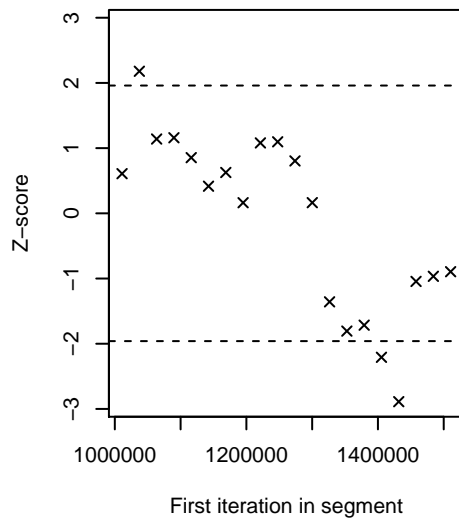
**q[4,2] (chain3)**



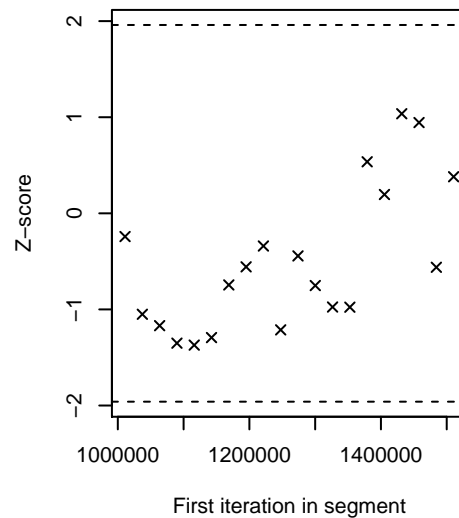
**q[5,2] (chain3)**



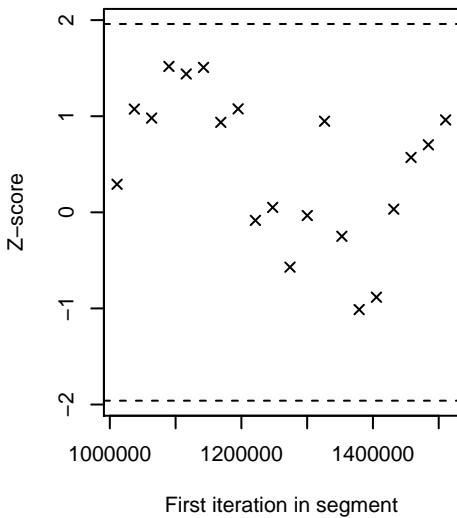
**q[6,2] (chain3)**



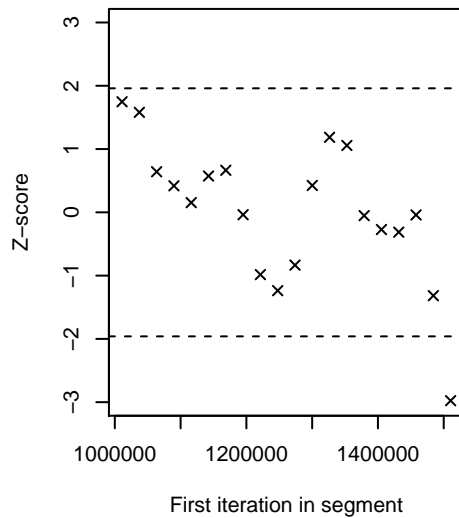
**q[7,2] (chain3)**



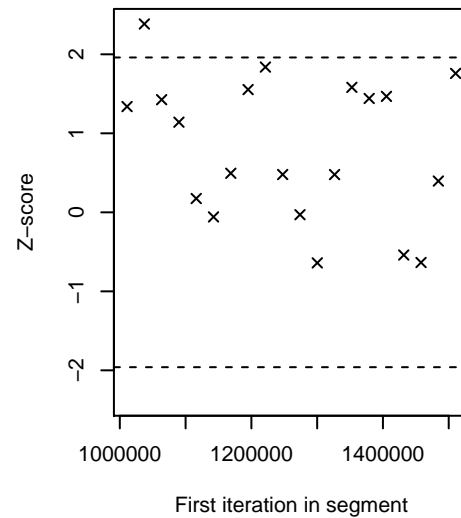
**q[8,2] (chain3)**



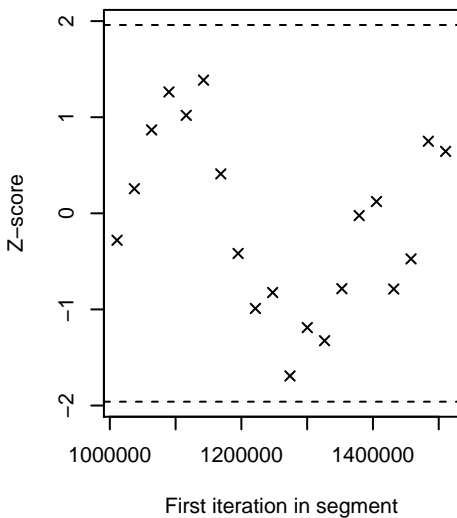
**q[9,2] (chain3)**



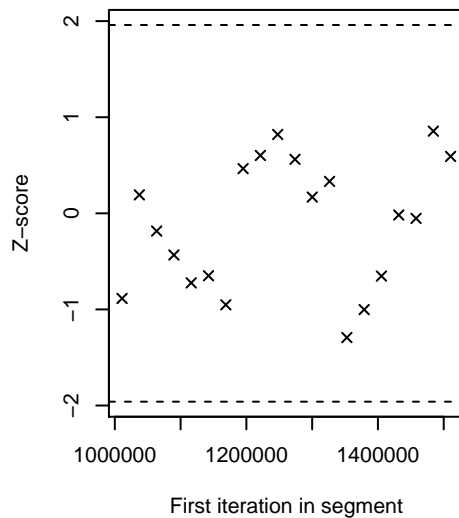
**q[10,2] (chain3)**



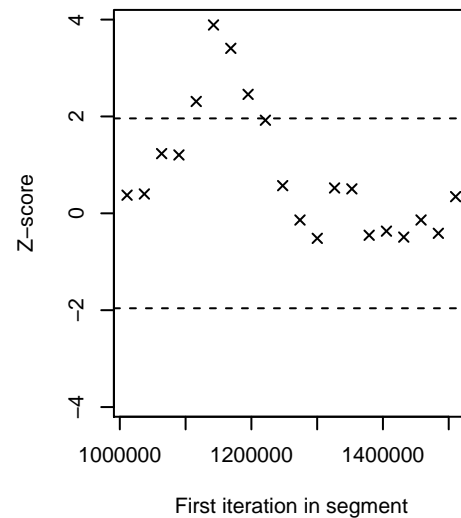
**q[11,2] (chain3)**



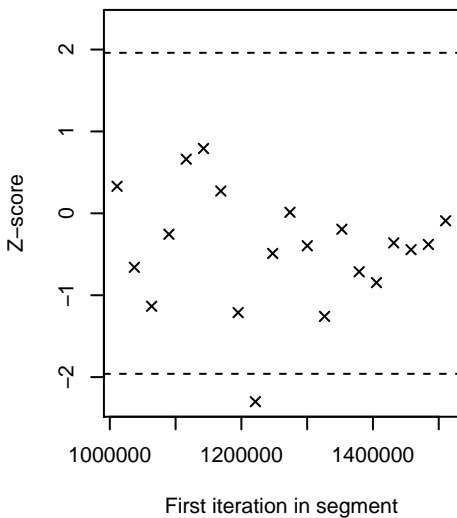
**q[12,2] (chain3)**



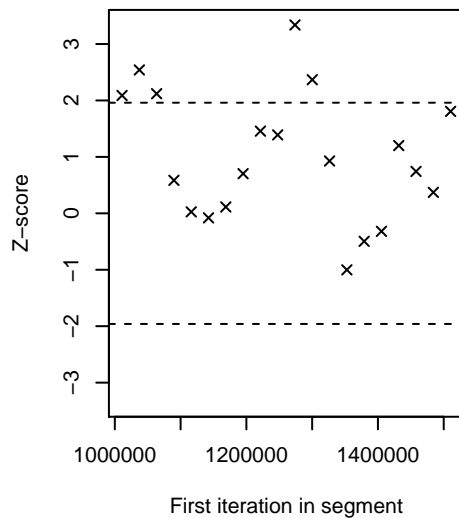
**q[13,2] (chain3)**



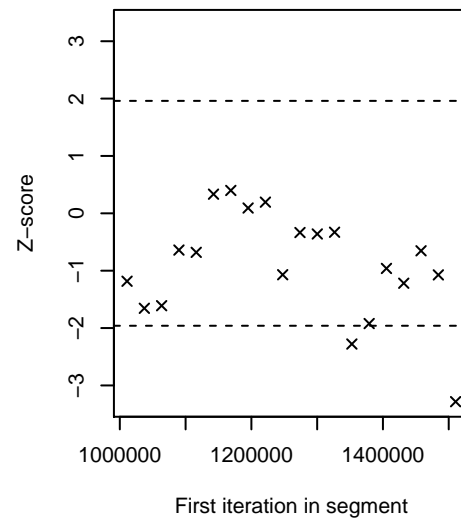
**q[14,2] (chain3)**



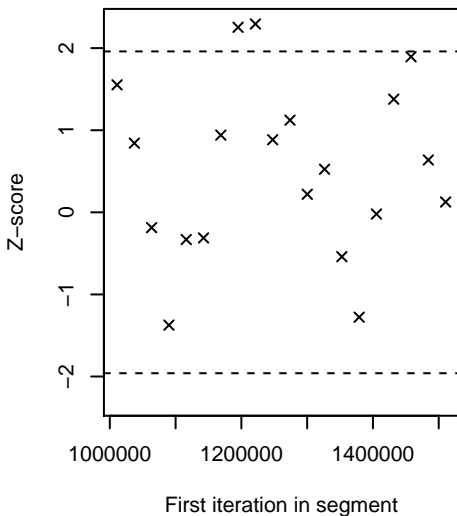
**q[15,2] (chain3)**



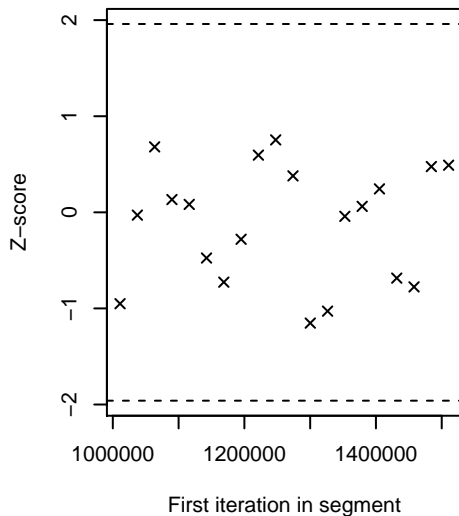
**q[16,2] (chain3)**



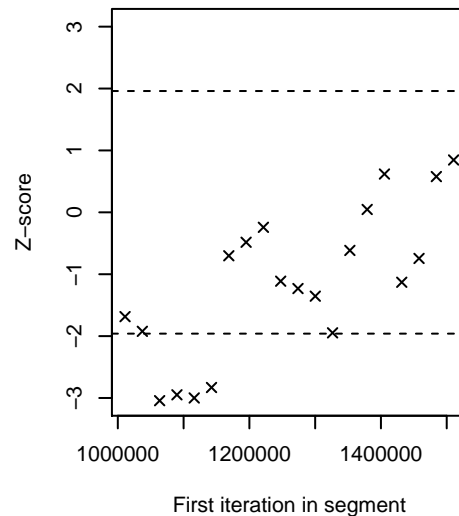
**q[17,2] (chain3)**



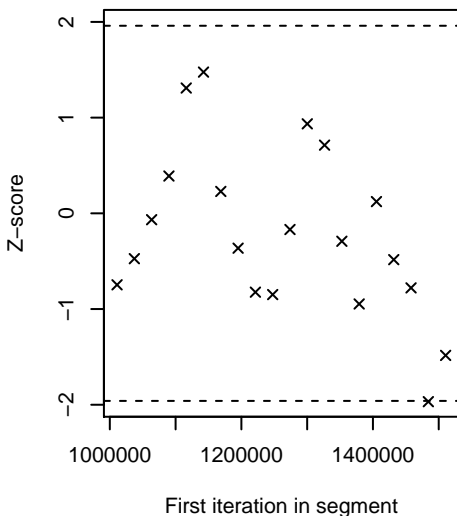
**q[18,2] (chain3)**



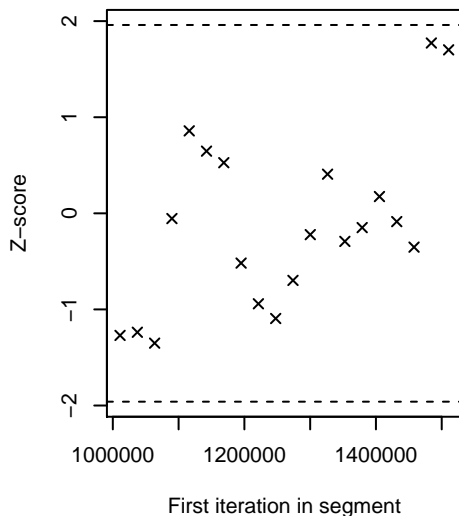
**q[19,2] (chain3)**



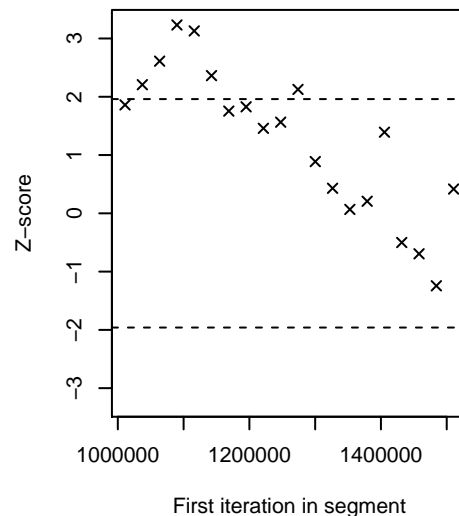
**q[20,2] (chain3)**



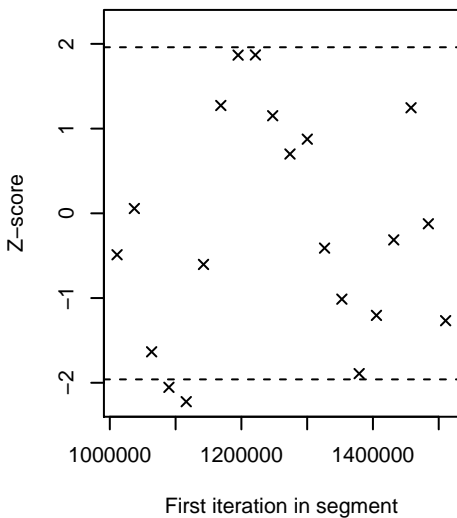
**q[21,2] (chain3)**



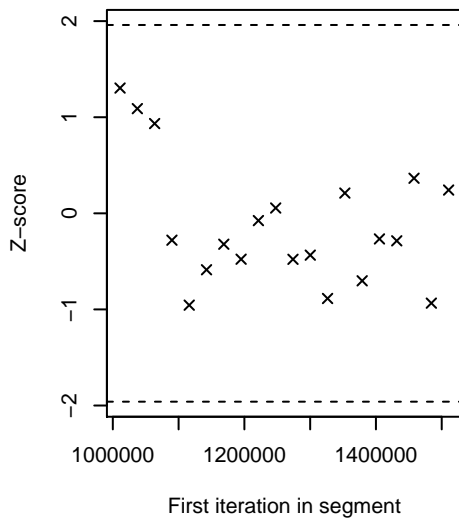
**q[22,2] (chain3)**



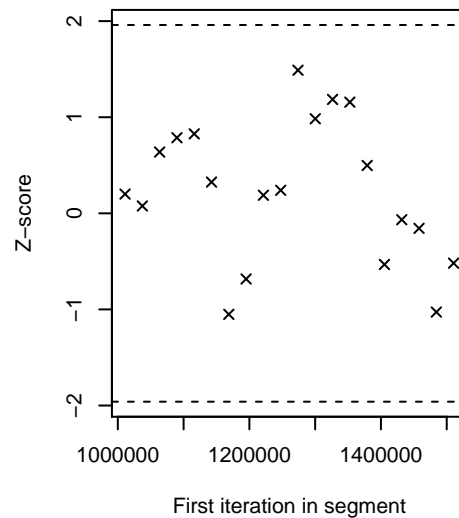
**q[23,2] (chain3)**



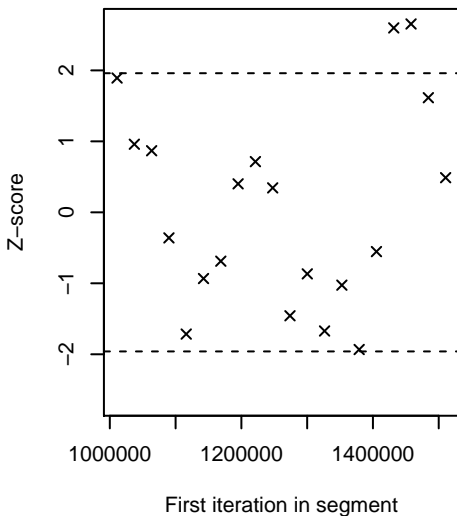
**q[24,2] (chain3)**



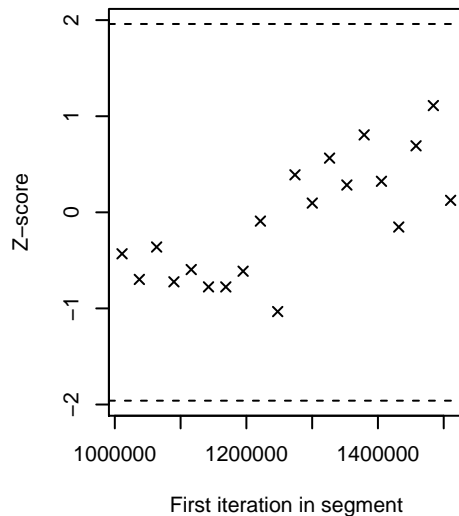
**q[25,2] (chain3)**



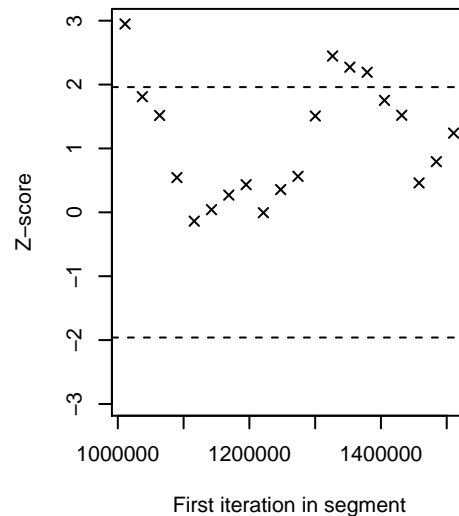
**q[26,2] (chain3)**



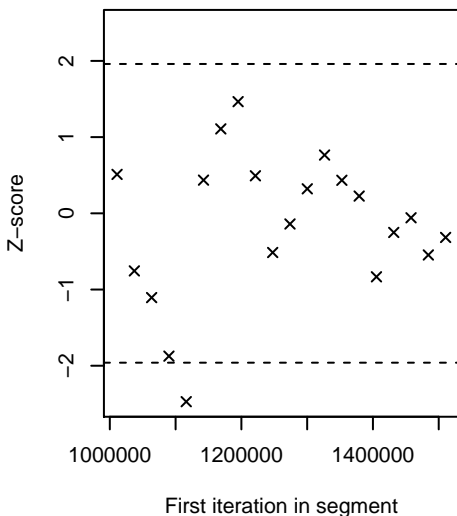
**q[27,2] (chain3)**



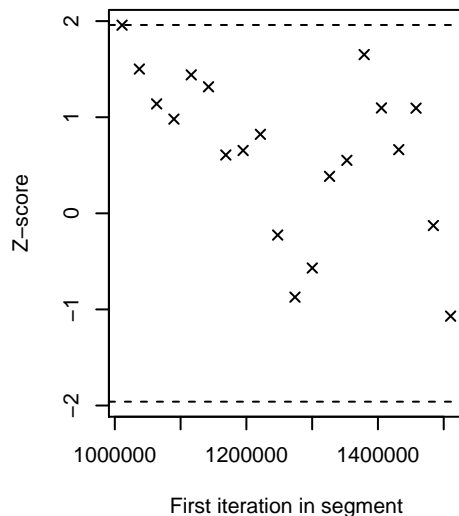
**q[28,2] (chain3)**



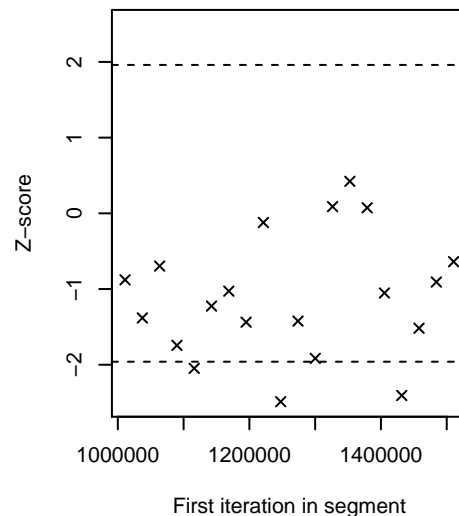
**q[29,2] (chain3)**



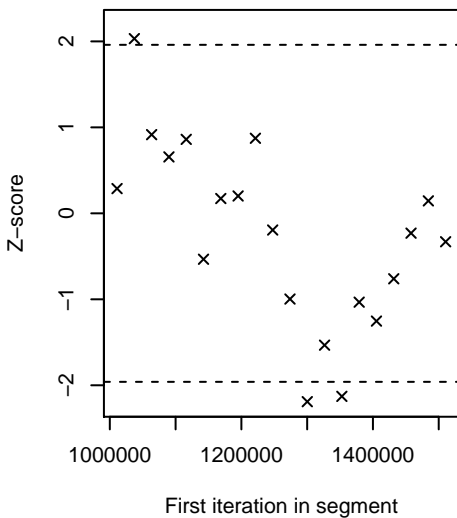
**q[30,2] (chain3)**



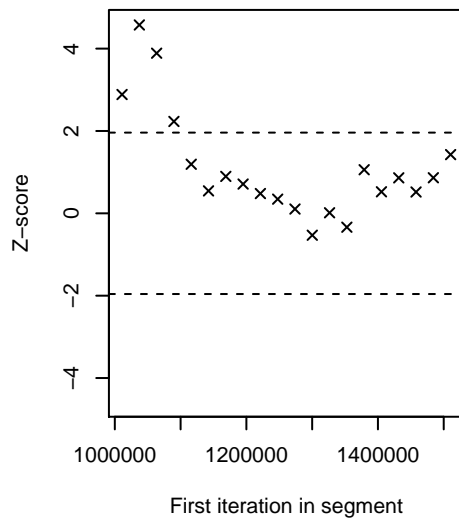
**q[31,2] (chain3)**



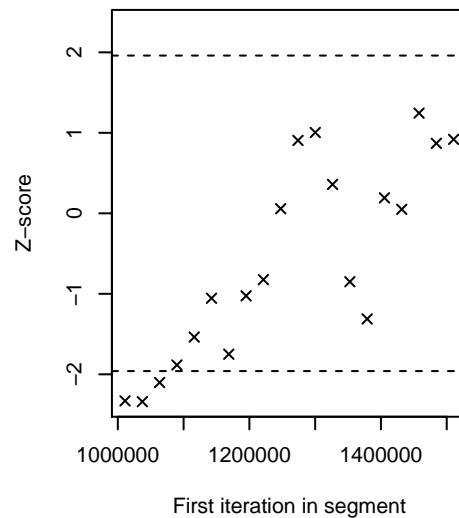
**q[32,2] (chain3)**



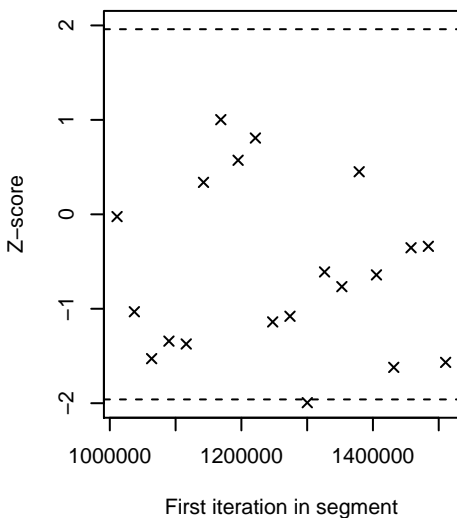
**q[33,2] (chain3)**



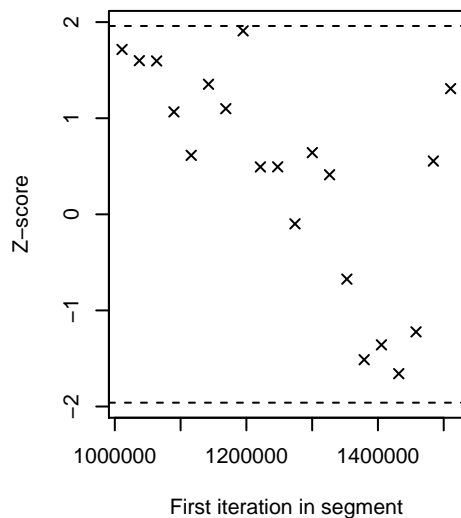
**q[34,2] (chain3)**



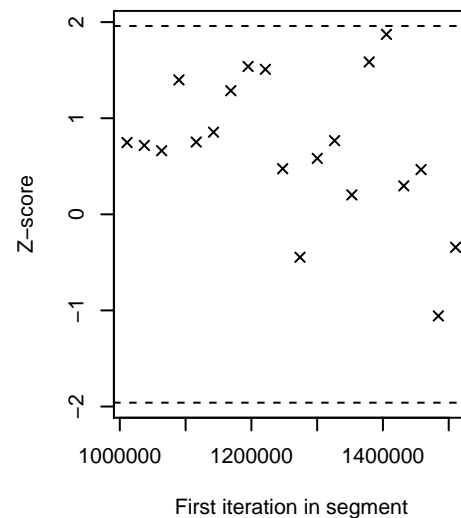
**q[35,2] (chain3)**



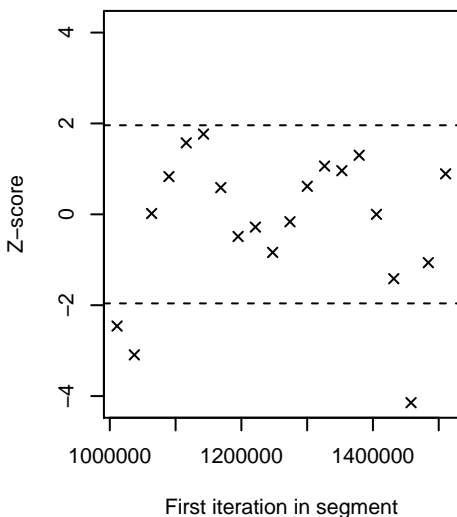
**q[36,2] (chain3)**



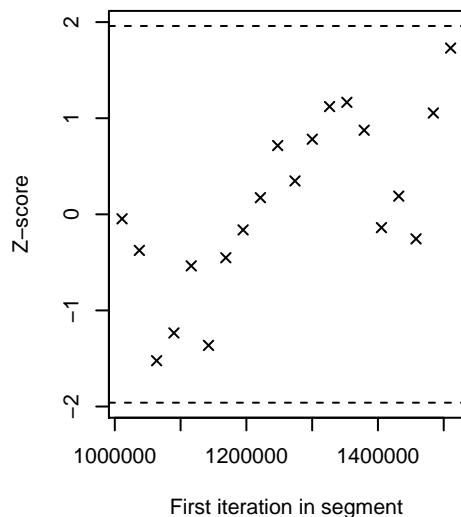
**q[37,2] (chain3)**



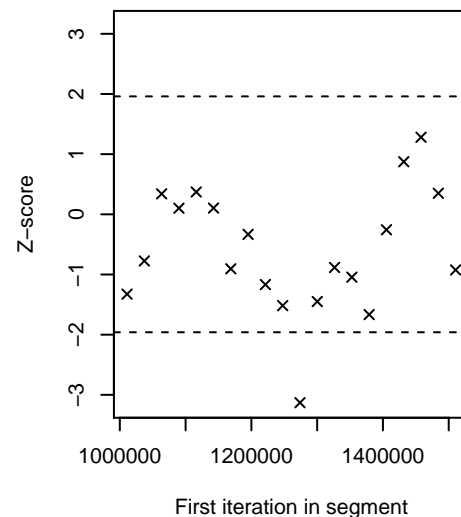
**q[1,3] (chain3)**



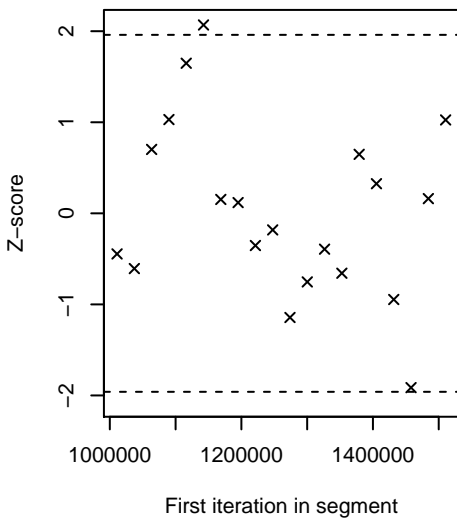
**q[2,3] (chain3)**



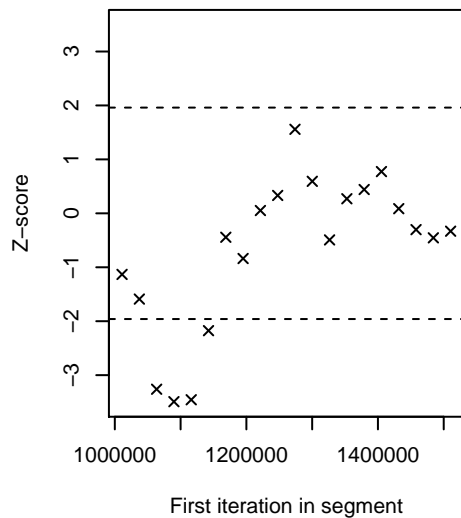
**q[3,3] (chain3)**



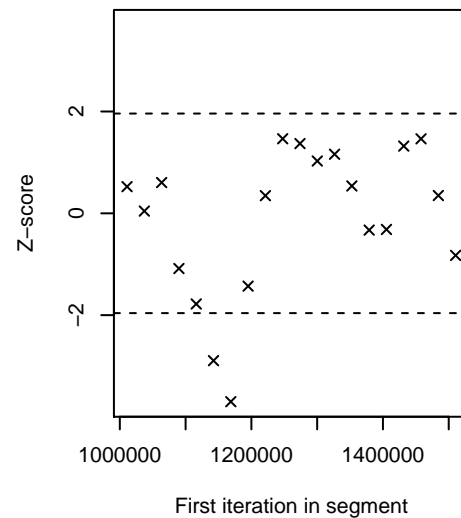
**q[4,3] (chain3)**



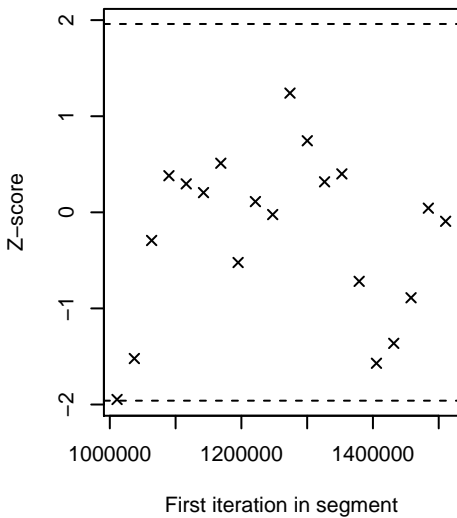
**q[5,3] (chain3)**



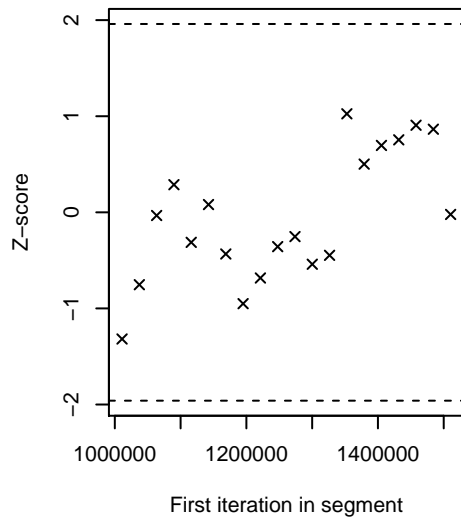
**q[6,3] (chain3)**



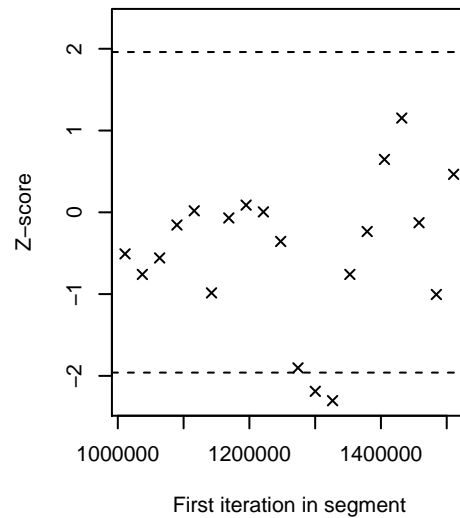
**q[7,3] (chain3)**



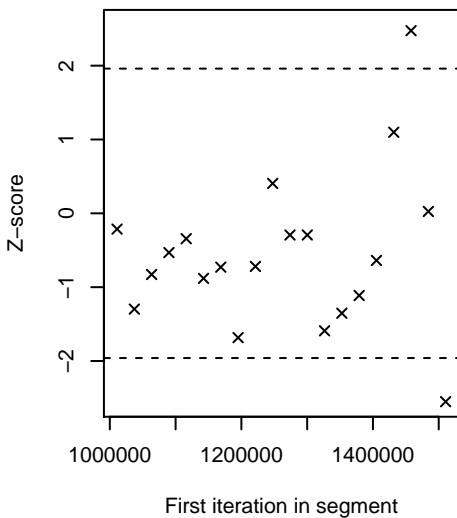
**q[8,3] (chain3)**



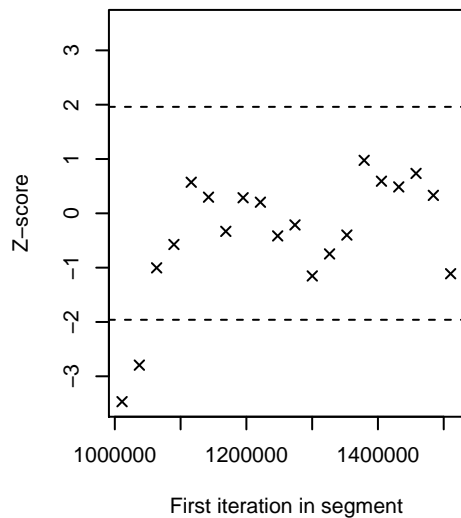
**q[9,3] (chain3)**



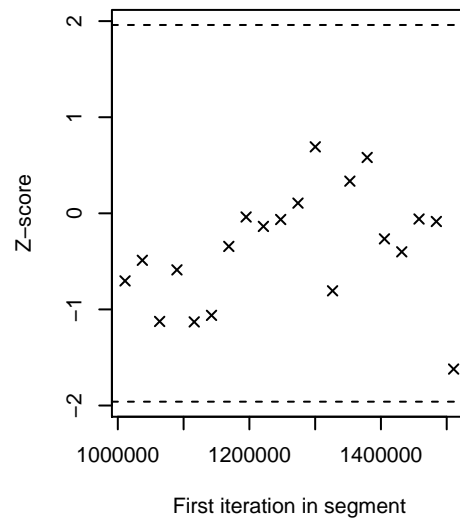
**q[10,3] (chain3)**



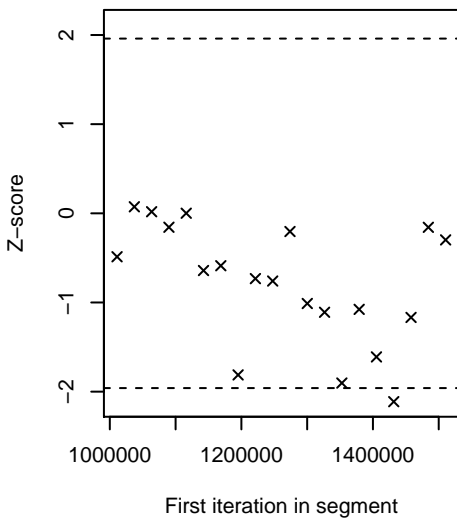
**q[11,3] (chain3)**



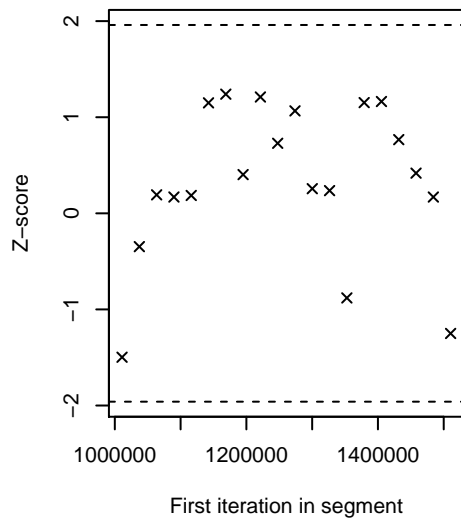
**q[12,3] (chain3)**



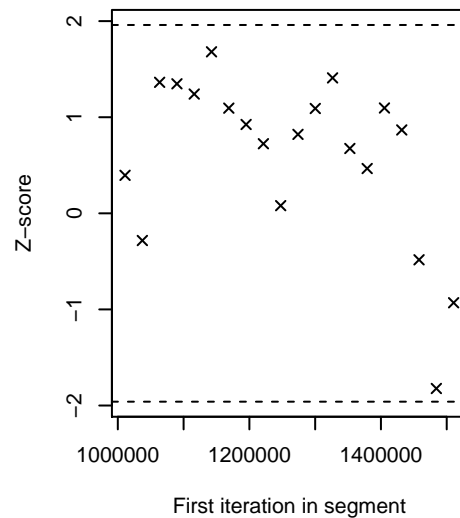
**q[13,3] (chain3)**



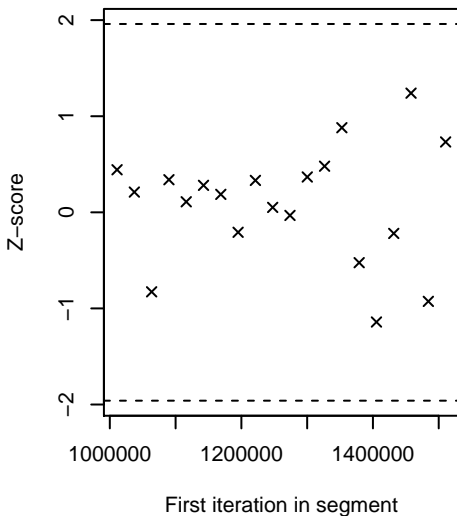
**q[14,3] (chain3)**



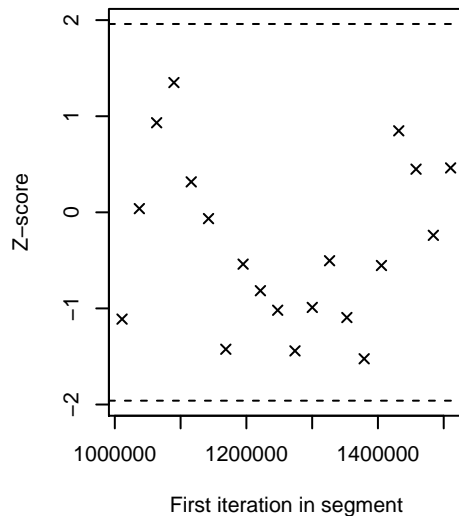
**q[15,3] (chain3)**



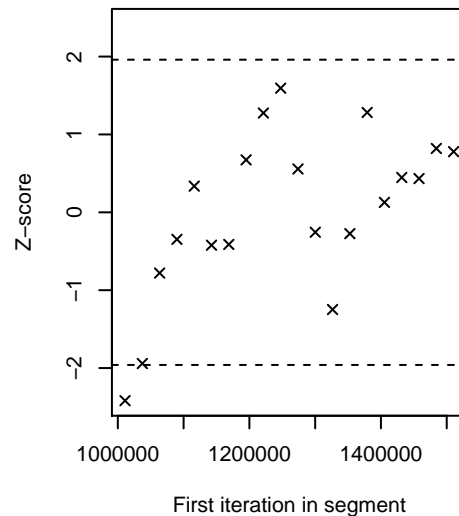
**q[16,3] (chain3)**



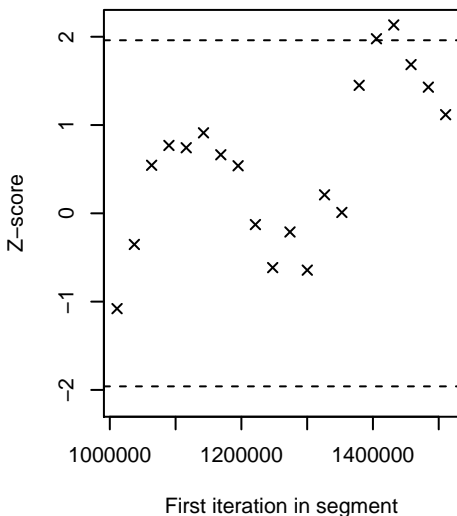
**q[17,3] (chain3)**



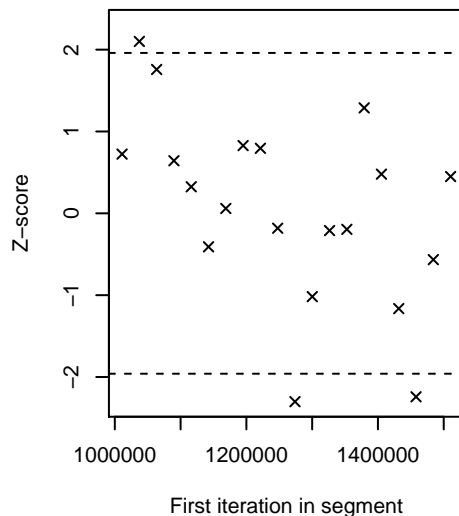
**q[18,3] (chain3)**



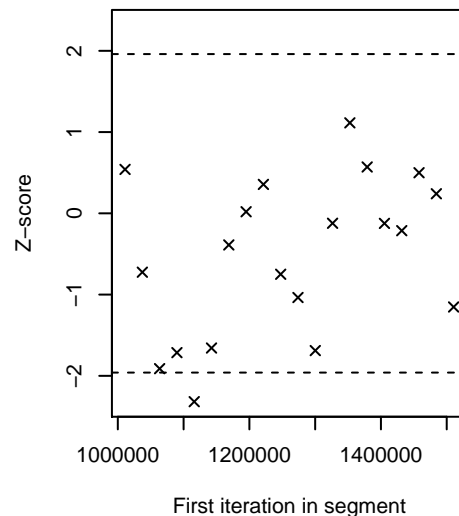
**q[19,3] (chain3)**



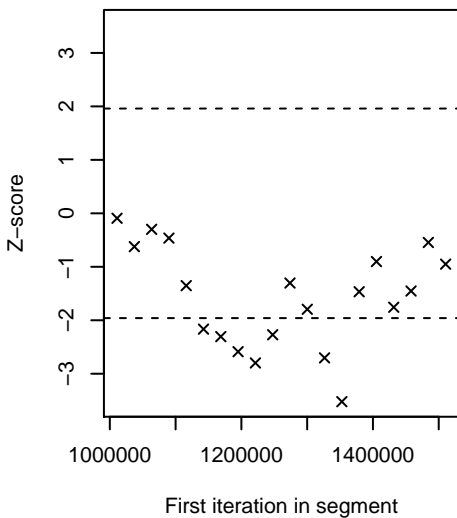
**q[20,3] (chain3)**



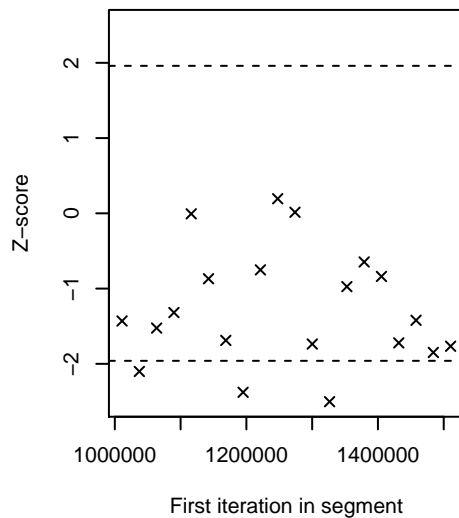
**q[21,3] (chain3)**



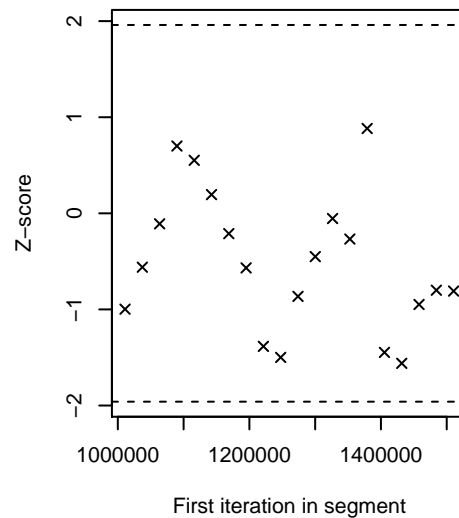
**q[22,3] (chain3)**

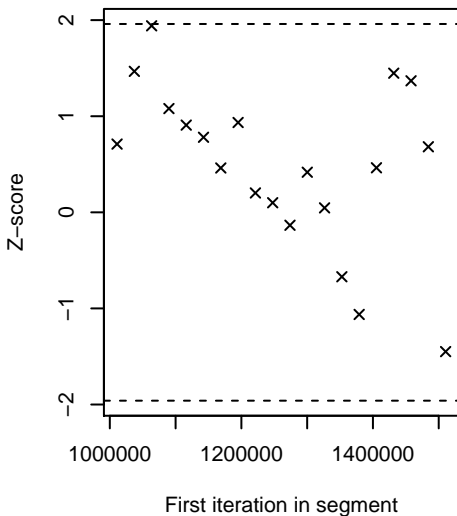
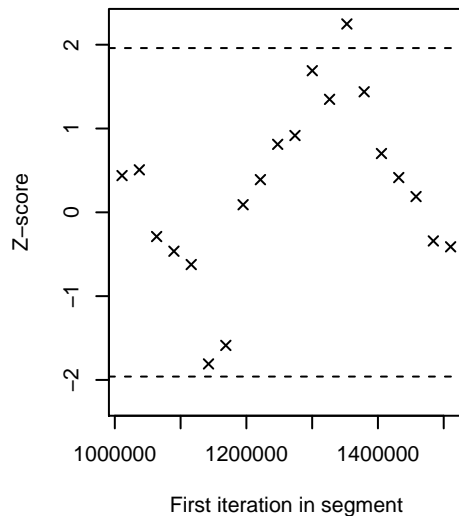
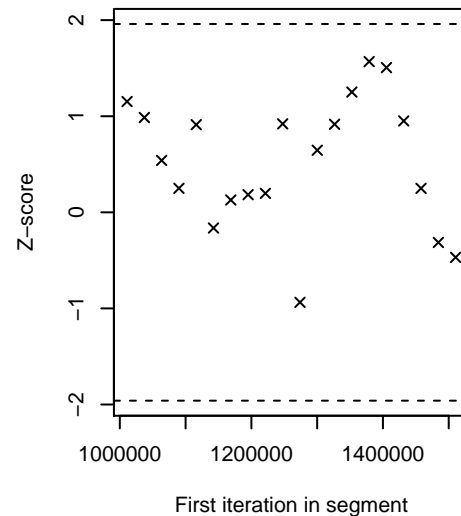
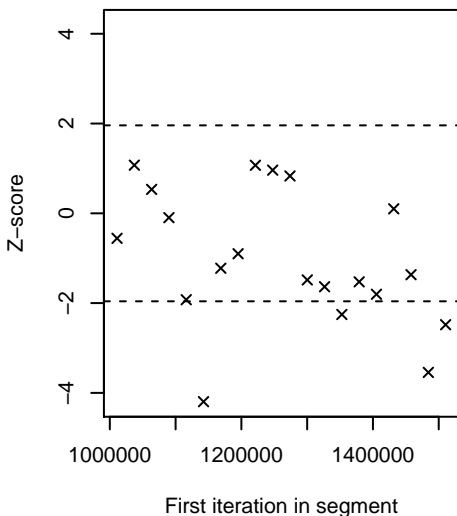
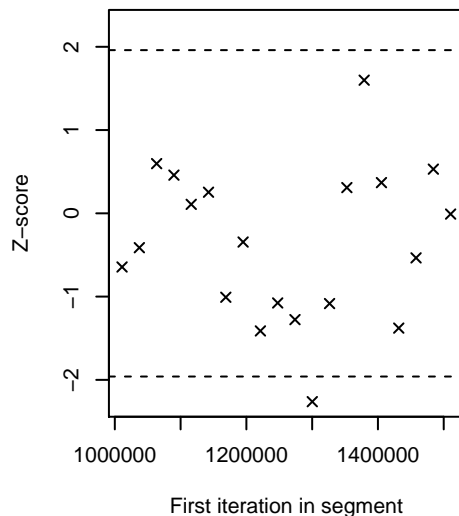
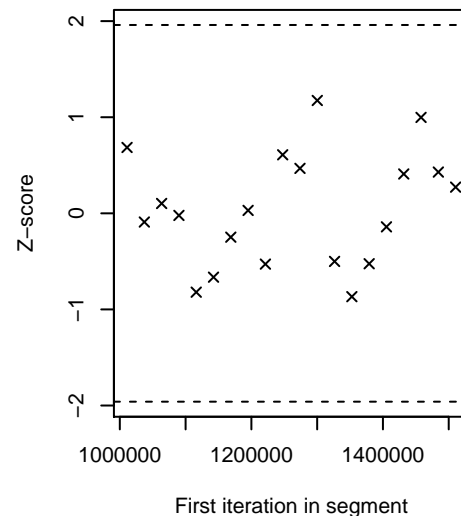
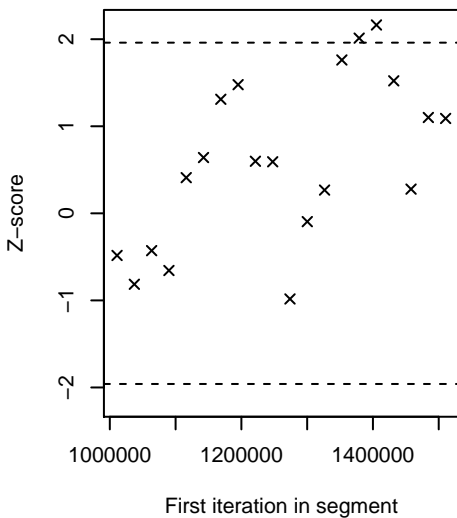
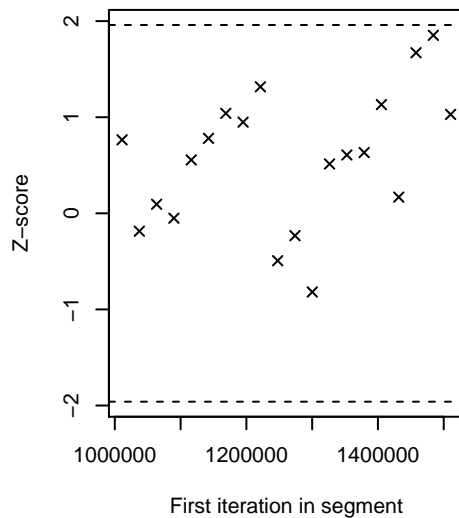
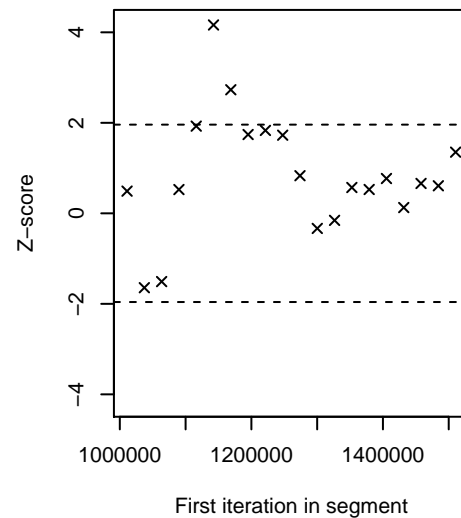


**q[23,3] (chain3)**



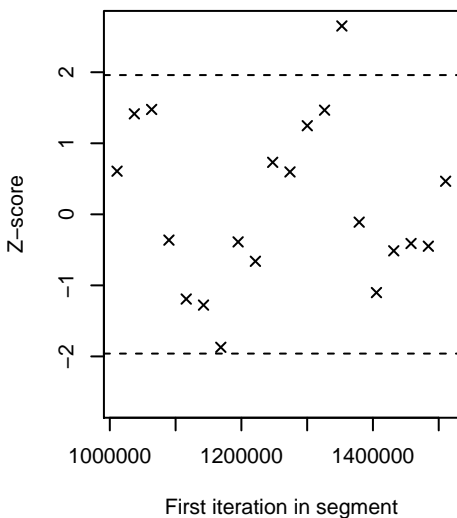
**q[24,3] (chain3)**



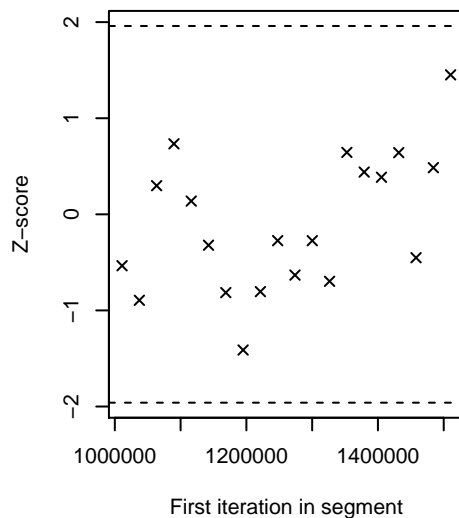
**q[25,3] (chain3)****q[26,3] (chain3)****q[27,3] (chain3)****q[28,3] (chain3)****q[29,3] (chain3)****q[30,3] (chain3)****q[31,3] (chain3)****q[32,3] (chain3)****q[33,3] (chain3)**



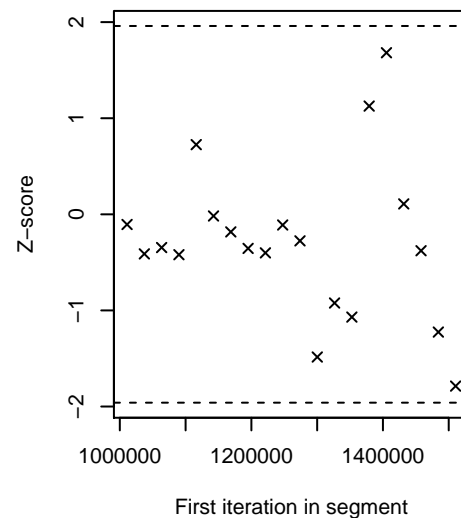
**q[34,3] (chain3)**



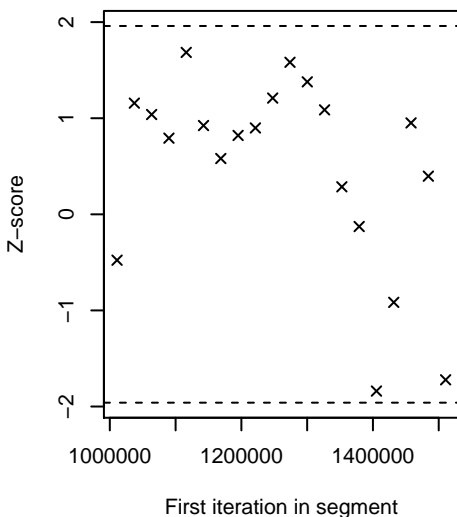
**q[35,3] (chain3)**



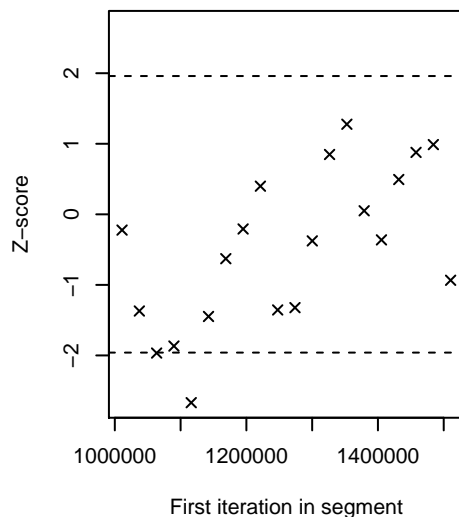
**q[36,3] (chain3)**



**q[37,3] (chain3)**



**sigma.R (chain3)**



**sigma.R0 (chain3)**

