reaction_1, reaction_11, reaction_12, reaction_13, reaction_14, reaction_15, reaction_16, reaction_17, reaction_17_reverse, reaction_18, reaction_19, reaction_2, reaction_20, reaction_21, reaction_22, reaction_23, reaction_24, reaction_25, reaction_26, reaction_27, reaction_27_reverse, reaction_28, reaction_29, reaction_3, reaction_30, reaction_31, reaction_32, reaction_33, reaction_34, reaction_35, reaction_36, reaction_4, reaction_5, reaction_6, reaction_7, reaction_8, reaction_9 OP: CIS, CISRNA, CISnRNA1, CISnRNA2, CISnRNA3, CISnRNA4, CISnRNA5, SOCS3, SOCS3RNA, SOCS3nRNA1, SOCS3nRNA2, SOCS3nRNA3, SOCS3nRNA4, SOCS3nRNA5 species: CIS, CISRNA, CISnRNA1, CISnRNA2, CISnRNA3, CISnRNA4, CISnRNA5, EpoRJAK2, EpoRpJAK2, SHP1, SHP1Act, SOCS3, SOCS3RNA, SOCS3nRNA1, SOCS3nRNA2, SOCS3nRNA3, SOCS3nRNA4, SOCS3nRNA5, STAT5, npSTAT5, p12EpoRpJAK2, p1EpoRpJAK2, p2EpoRpJAK2, pSTAT5
{CIS, CISRNA, CISnRNA1, CISnRNA2, CISnRNA3, CISnRNA4, CISnRNA5, EpoRJAK2, EpoRpJAK2, SHP1, SHP1Act, SOCS3, SOCS3RNA, SOCS3nRNA1, SOCS3nRNA2, SOCS3nRNA3, SOCS3nRNA4, SOCS3nRNA5, STAT5, npSTAT5, p12EpoRpJAK2, p1EpoRpJAK2, p2EpoRpJAK2, pSTAT5}

reaction_1, reaction_13, reaction_14, reaction_15, reaction_16, reaction_17, reaction_17_reverse, reaction_18, reaction_19, reaction_2, reaction_20, reaction_21, reaction_22, reaction_23, reaction_24, reaction_25, reaction_26, reaction_27, reaction_27_reverse, reaction_28, reaction_29, reaction_3, reaction_30, reaction_31, reaction_32, reaction_33, reaction_34, reaction_35, reaction_36, reaction_4, reaction_5, reaction_6, reaction_7, reaction_8, reaction_9 OP: CIS, CISRNA, CISnRNA1, CISnRNA2, CISnRNA3, CISnRNA4, CISnRNA5, SOCS3, SOCS3RNA, SOCS3nRNA1, SOCS3nRNA2, SOCS3nRNA3, SOCS3nRNA4, SOCS3nRNA5 species: CIS, CISRNA, CISnRNA1, CISnRNA2, CISnRNA3, CISnRNA4, CISnRNA5, EpoRJAK2, EpoRpJAK2, SOCS3, SOCS3RNA, SOCS3nRNA1, SOCS3nRNA2, SOCS3nRNA3, SOCS3nRNA4, SOCS3nRNA5, STAT5, npSTAT5, p12EpoRpJAK2, p1EpoRpJAK2, p2EpoRpJAK2, pSTAT5
{CIS, CISRNA, CISnRNA1, CISnRNA2, CISnRNA3, CISnRNA4, CISnRNA5, EpoRJAK2, EpoRpJAK2, SOCS3, SOCS3RNA, SOCS3nRNA1, SOCS3nRNA2, SOCS3nRNA3, SOCS3nRNA4, SOCS3nRNA5, STAT5, npSTAT5, p12EpoRpJAK2, p1EpoRpJAK2, p2EpoRpJAK2, pSTAT5}

reaction_1, reaction_11, reaction_12, reaction_17, reaction_17_reverse, reaction_18, reaction_19, reaction_2, reaction_20, reaction_21, reaction_22, reaction_23, reaction_24, reaction_25, reaction_26, reaction_27, reaction_27_reverse, reaction_28, reaction_29, reaction_3, reaction_30, reaction_31, reaction_32, reaction_33, reaction_34, reaction_35, reaction_36, reaction_4, reaction_5, reaction_6, reaction_7, reaction_8, reaction_9 OP: CIS, CISRNA, CISnRNA1, CISnRNA2, CISnRNA3, CISnRNA4, CISnRNA5, SOCS3, SOCS3RNA, SOCS3nRNA1, SOCS3nRNA2, SOCS3nRNA3, SOCS3nRNA4, SOCS3nRNA5 species: CIS, CISRNA, CISnRNA1, CISnRNA2, CISnRNA3, CISnRNA4, CISnRNA5, EpoRJAK2, EpoRpJAK2, SHP1, SHP1Act, SOCS3, SOCS3RNA, SOCS3nRNA1, SOCS3nRNA2, SOCS3nRNA3, SOCS3nRNA4, SOCS3nRNA5, p12EpoRpJAK2, p1EpoRpJAK2, p2EpoRpJAK2
{CIS, CISRNA, CISnRNA1, CISnRNA2, CISnRNA3, CISnRNA4, CISnRNA5, EpoRJAK2, EpoRpJAK2, SHP1, SHP1Act, SOCS3, SOCS3RNA, SOCS3nRNA1, SOCS3nRNA2, SOCS3nRNA3, SOCS3nRNA4, SOCS3nRNA5, p12EpoRpJAK2, p1EpoRpJAK2, p2EpoRpJAK2}

reaction_11, reaction_12, reaction_13, reaction_14, reaction_15, reaction_16, reaction_17, reaction_17_reverse, reaction_18, reaction_19, reaction_20, reaction_21, reaction_22, reaction_23, reaction_24, reaction_25, reaction_26, reaction_27, reaction_27_reverse, reaction_28, reaction_29, reaction_30, reaction_31, reaction_32, reaction_33, reaction_34, reaction_35, reaction_36 OP: CIS, CISRNA, CISnRNA1, CISnRNA2, CISnRNA3, CISnRNA4, CISnRNA5, SOCS3, SOCS3RNA, SOCS3nRNA1, SOCS3nRNA2, SOCS3nRNA3, SOCS3nRNA4, SOCS3nRNA5 species: CIS, CISRNA, CISnRNA1, CISnRNA2, CISnRNA3, CISnRNA4, CISnRNA5, SHP1, SHP1Act, SOCS3, SOCS3RNA, SOCS3nRNA1, SOCS3nRNA2, SOCS3nRNA3, SOCS3nRNA4, SOCS3nRNA5, STAT5, npSTAT5, pSTAT5
{CIS, CISRNA, CISnRNA1, CISnRNA2, CISnRNA3, CISnRNA4, CISnRNA5, SHP1, SHP1Act, SOCS3, SOCS3RNA, SOCS3nRNA1, SOCS3nRNA2, SOCS3nRNA3, SOCS3nRNA4, SOCS3nRNA5, STAT5, npSTAT5, pSTAT5}

reaction_1, reaction_2, reaction_3, reaction_4, reaction_5, reaction_6, reaction_7, reaction_8, reaction_9, reaction_17, reaction_17_reverse, reaction_18, reaction_19, reaction_20, reaction_21, reaction_22, reaction_23, reaction_24, reaction_25, reaction_26, reaction_27, reaction_27_reverse, reaction_28, reaction_29, reaction_30, reaction_31, reaction_32, reaction_33, reaction_34, reaction_35, reaction_36 OP: CIS, CISRNA, CISnRNA1, CISnRNA2, CISnRNA3, CISnRNA4, CISnRNA5, SOCS3, SOCS3RNA, SOCS3nRNA1, SOCS3nRNA2, SOCS3nRNA3, SOCS3nRNA4, SOCS3nRNA5 species: CIS, CISRNA, CISnRNA1, CISnRNA2, CISnRNA3, CISnRNA4, CISnRNA5, EpoRJAK2, EpoRpJAK2, SOCS3, SOCS3RNA, SOCS3nRNA1, SOCS3nRNA2, SOCS3nRNA3, SOCS3nRNA4, SOCS3nRNA5, p12EpoRpJAK2, p1EpoRpJAK2, p2EpoRpJAK2
{CIS, CISRNA, CISnRNA1, CISnRNA2, CISnRNA3, CISnRNA4, CISnRNA5, EpoRJAK2, EpoRpJAK2, SOCS3, SOCS3RNA, SOCS3nRNA1, SOCS3nRNA2, SOCS3nRNA3, SOCS3nRNA4, SOCS3nRNA5, p12EpoRpJAK2, p1EpoRpJAK2, p2EpoRpJAK2}

reaction_13, reaction_14, reaction_15, reaction_16, reaction_17, reaction_17_reverse, reaction_18, reaction_19, reaction_20, reaction_21, reaction_22, reaction_23, reaction_24, reaction_25, reaction_26, reaction_27, reaction_27_reverse, reaction_28, reaction_29, reaction_30, reaction_31, reaction_32, reaction_33, reaction_34, reaction_35, reaction_36 OP: CIS, CISRNA, CISnRNA1, CISnRNA2, CISnRNA3, CISnRNA4, CISnRNA5, SOCS3, SOCS3RNA, SOCS3nRNA1, SOCS3nRNA2, SOCS3nRNA3, SOCS3nRNA4, SOCS3nRNA5 species: CIS, CISRNA, CISnRNA1, CISnRNA2, CISnRNA3, CISnRNA4, CISnRNA5, SOCS3, SOCS3RNA, SOCS3nRNA1, SOCS3nRNA2, SOCS3nRNA3, SOCS3nRNA4, SOCS3nRNA5, STAT5, npSTAT5, pSTAT5
{CIS, CISRNA, CISnRNA1, CISnRNA2, CISnRNA3, CISnRNA4, CISnRNA5, SOCS3, SOCS3RNA, SOCS3nRNA1, SOCS3nRNA2, SOCS3nRNA3, SOCS3nRNA4, SOCS3nRNA5, STAT5, npSTAT5, pSTAT5}

reaction_11, reaction_12, reaction_17, reaction_17_reverse, reaction_18, reaction_19, reaction_20, reaction_21, reaction_22, reaction_23, reaction_24, reaction_25, reaction_26, reaction_27, reaction_27_reverse, reaction_28, reaction_29, reaction_30, reaction_31, reaction_32, reaction_33, reaction_34, reaction_35, reaction_36 OP: CIS, CISRNA, CISnRNA1, CISnRNA2, CISnRNA3, CISnRNA4, CISnRNA5, SOCS3, SOCS3RNA, SOCS3nRNA1, SOCS3nRNA2, SOCS3nRNA3, SOCS3nRNA4, SOCS3nRNA5 species: CIS, CISRNA, CISnRNA1, CISnRNA2, CISnRNA3, CISnRNA4, CISnRNA5, SHP1, SHP1Act, SOCS3, SOCS3RNA, SOCS3nRNA1, SOCS3nRNA2, SOCS3nRNA3, SOCS3nRNA4, SOCS3nRNA5
{CIS, CISRNA, CISnRNA1, CISnRNA2, CISnRNA3, CISnRNA4, CISnRNA5, SHP1, SHP1Act, SOCS3, SOCS3RNA, SOCS3nRNA1, SOCS3nRNA2, SOCS3nRNA3, SOCS3nRNA4, SOCS3nRNA5}

reaction_17, reaction_17_reverse, reaction_18, reaction_19, reaction_20, reaction_21, reaction_22, reaction_23, reaction_24, reaction_25, reaction_26, reaction_27, reaction_27_reverse, reaction_28, reaction_29, reaction_30, reaction_31, reaction_32, reaction_33, reaction_34, reaction_35, reaction_36 OP: CIS, CISRNA, CISnRNA1, CISnRNA2, CISnRNA3, CISnRNA4, CISnRNA5, SOCS3, SOCS3RNA, SOCS3nRNA1, SOCS3nRNA2, SOCS3nRNA3, SOCS3nRNA4, SOCS3nRNA5 species: CIS, CISRNA, CISnRNA1, CISnRNA2, CISnRNA3, CISnRNA4, CISnRNA5, SOCS3, SOCS3RNA, SOCS3nRNA1, SOCS3nRNA2, SOCS3nRNA3, SOCS3nRNA4, SOCS3nRNA5
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