



HR0124

LRB101 06857 ALS 51888 r

1 HOUSE RESOLUTION

2 WHEREAS, A trisomy is a type of polysomy in which there are
3 three instances of a particular chromosome, instead of the
4 normal two; a trisomy is a type of aneuploidy, an abnormal
5 number of chromosomes; and

6 WHEREAS, Most organisms have pairs of chromosomes in each
7 cell, with one chromosome inherited from each parent; in such
8 organisms, a process called meiosis creates cells called
9 gametes that have only one set of chromosomes; and

10 WHEREAS, The number of chromosomes is different for
11 different species; humans have 46 chromosomes, or 23 pairs of
12 chromosomes, and human gametes have only 23 chromosomes; and

13 WHEREAS, If the chromosome pairs fail to separate properly
14 during cell division, the egg or sperm may end up with a second
15 copy of one of the chromosomes; if such a gamete results in
16 fertilization and an embryo, the resulting embryo may also have
17 an entire copy of the extra chromosome; and

18 WHEREAS, Full trisomy, also called primary trisomy, means
19 that an entire extra chromosome has been copied; partial
20 trisomy means that there is an extra copy of part of a
21 chromosome; secondary trisomy means the extra chromosome has

1 quadruplicated arms; tertiary trisomy means the extra
2 chromosome is made up of copies of arms from two other
3 chromosomes; and

4 WHEREAS, Trisomies can occur with any chromosome but often
5 result in a miscarriage, rather than a live birth; and

6 WHEREAS, Trisomy 16 is the most common trisomy in human
7 pregnancies, occurring in more than one percent of pregnancies;
8 and

9 WHEREAS, Pregnancies in which some normal cells occur in
10 addition to the trisomic cells, or mosaic trisomy 16, survive;
11 this condition, however, usually results in a spontaneous
12 miscarriage in the first trimester; and

13 WHEREAS, The most common types of autosomal trisomy that
14 survive to birth in humans are Trisomy 21 (Down syndrome),
15 Trisomy 18 (Edwards syndrome), Trisomy 13 (Patau syndrome), and
16 Trisomy 8 (Warkany syndrome 2); therefore, be it

17 RESOLVED, BY THE HOUSE OF REPRESENTATIVES OF THE ONE
18 HUNDRED FIRST GENERAL ASSEMBLY OF THE STATE OF ILLINOIS, that
19 we declare the month of March 2019 as Trisomy Awareness Month
20 in the State of Illinois, and we urge all citizens of this
21 State to become aware of the different types of Trisomy; and be

1 it further

2 RESOLVED, That suitable copies of this resolution be
3 presented to Governor J.B. Pritzker and all Illinois
4 Constitutional officers.