



Formation of posterior neuropore. forelimb bud, forebrain vesicle subdivides 21-29 somites. **Absent:** hindlimb bud, Rathke's pouch

Posterior neuropore closes. formation of hindlimb & tail buds, lens plate, Rathke's pouch; the indented nasal processes start to form 30-34 somites. **Absent:** thin & long tail

Deep lens indentation. advanced development of brain tube, tail elongates and thins, umbilical hernia starts to form 35-39 somites. **Absent:** nasal pits

Closure of lens vesicle. nasal pits, cervical somites no longer visible 40-44 somites. **Absent:** auditory hillocks, anterior footplate

Lens vesicle completely separated from the surface epithelium. Anterior, but no posterior, footplate. Auditory hillocks first visible 45-47 somites. **Absent:** retinal pigmentation and sign of fingers

Earliest sign of fingers (played-out). posterior footplate apparent, retina pigmentation apparent, tongue well-defined, brain vesicles clear 48-51 somites. **Absent:** 5 rows of whiskers, indented anterior footplate

Anterior footplate indented, elbow and wrist identifiable, 5 rows of whiskers, umbilical hernia now clearly apparent 52-55 somites. **Absent:** hair follicles, fingers separate distally

Fingers separate distally, only indentations between digits of the posterior footplate, long bones of limbs present, hair follicles in pectoral, pelvic and trunk region 56-60 somites. **Absent:** open eyelids, hair follicles in cephalic region

Fingers & toes separate, hair follicles also in cephalic region but not at periphery of vibrissae, eyelids open. **Absent:** nail primordia, fingers 2-5 parallel

Repositioning of umbilical hernia. eyelids closing, fingers 2-5 are parallel, nail primordia visible on toes. **Absent:** wrinkled skin, fingers & toes joined together

Skin wrinkled, eyelids closed, umbilical hernia is gone. **Absent:** ear extending over auditory meatus, long whiskers

Long whiskers. eyes barely visible through closed eyelids, ear covers auditory meatus

Newborn mouse

