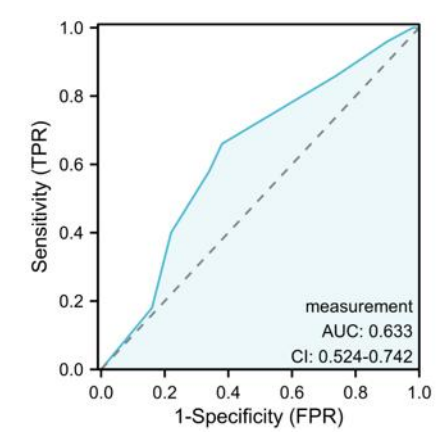


Supplementary Table 1 Patient demographics, lifestyle risk factors, and clinicopathological features of the esophageal cancer cohort evaluated for CHMP2A expression by immunohistochemistry

| Patient ID | Gender | Age (years) | Smoking history | Alcohol consumption | Family history of cancer | Histological grade       | Perineural invasion | Lymph node metastasis | pTNM stage | IHC score | CHMP2A expression level | Clinical outcome | Survival (days) | time | Tumor size (mm) |
|------------|--------|-------------|-----------------|---------------------|--------------------------|--------------------------|---------------------|-----------------------|------------|-----------|-------------------------|------------------|-----------------|------|-----------------|
| C1         | Male   | 49          | Yes             | Yes                 | No                       | High differentiation     | No                  | No                    | pT3N0Mx    | 4         | High                    | Alive            | 1593            |      | 2.2             |
| C2         | Male   | 60          | No              | No                  | No                       | Moderate differentiation | No                  | No                    | pT2N0Mx    | 3         | Low                     | Dead             | 690             |      | 3               |
| C3         | Male   | 74          | No              | No                  | No                       | High differentiation     | No                  | No                    | pT2N0Mx    | 0         | Low                     | Alive            | 1587            |      | 3.7             |
| C4         | Female | 66          | No              | No                  | No                       | Moderate differentiation | No                  | No                    | pT3N0Mx    | 0         | Low                     | Alive            | 1235            |      | 3.2             |
| C5         | Male   | 69          | No              | No                  | No                       | Moderate differentiation | Yes                 | No                    | pT3N0Mx    | 1         | Low                     | Alive            | 932             |      | 6               |
| C6         | Female | 64          | No              | No                  | No                       | Moderate differentiation | No                  | Yes                   | pT3N1Mx    | 4         | High                    | Dead             | 265             |      | 4               |
| C7         | Female | 70          | No              | No                  | No                       | Moderate differentiation | No                  | No                    | pT2N0Mx    | 6         | High                    | Dead             | 442             |      | 2.2             |
| C8         | Male   | 64          | No              | No                  | No                       | Moderate differentiation | No                  | Yes                   | pT3N1Mx    | 2         | Low                     | Dead             | 527             |      | 2               |
| C9         | Male   | 55          | Yes             | No                  | No                       | High differentiation     | No                  | No                    | pT2N0Mx    | 2         | Low                     | Alive            | 1545            |      | 2.6             |
| C10        | Female | 72          | No              | No                  | No                       | High differentiation     | No                  | No                    | pT3N0Mx    | 0         | Low                     | Dead             | 765             |      | 4.8             |
| C11        | Female | 69          | No              | No                  | No                       | Moderate differentiation | No                  | Yes                   | pT3N1Mx    | 8         | High                    | Dead             | 476             |      | 4               |
| C12        | Male   | 81          | No              | No                  | No                       | Moderate differentiation | No                  | No                    | pT3N0Mx    | 2         | Low                     | Alive            | 1500            |      | 5               |
| C13        | Male   | 58          | No              | No                  | No                       | Moderate differentiation | No                  | No                    | pT1N0Mx    | 0         | Low                     | Dead             | 820             |      | 3               |
| C14        | Male   | 65          | Yes             | Yes                 | No                       | Low differentiation      | No                  | No                    | pT3N0Mx    | 0         | Low                     | Alive            | 1471            |      | 1.8             |

|     |        |    |     |     |    |                          |     |     |          |   |      |       |      |     |
|-----|--------|----|-----|-----|----|--------------------------|-----|-----|----------|---|------|-------|------|-----|
| C15 | Female | 68 | No  | No  | No | Moderate differentiation | No  | No  | pT2N0Mx  | 4 | High | Dead  | 730  | 4   |
| C16 | Male   | 62 | Yes | No  | No | Moderate differentiation | Yes | No  | pT3N0Mx  | 6 | High | Alive | 1462 | 4   |
| C17 | Male   | 59 | Yes | No  | No | Moderate differentiation | Yes | Yes | pT3N2Mx  | 4 | High | Dead  | 324  | 2.2 |
| C18 | Male   | 50 | No  | Yes | No | Low differentiation      | No  | Yes | pT3N2Mx  | 4 | High | Alive | 1453 | 2.5 |
| C19 | Female | 71 | No  | No  | No | Moderate differentiation | No  | No  | pT3N0Mx  | 2 | Low  | Alive | 1052 | 2   |
| C20 | Male   | 70 | Yes | No  | No | High differentiation     | Yes | No  | pT3N0Mx  | 9 | High | Alive | 1447 | 2.5 |
| C21 | Male   | 62 | Yes | Yes | No | High differentiation     | No  | No  | pT3N0Mx  | 1 | Low  | Alive | 1448 | 1.7 |
| C22 | Male   | 56 | No  | No  | No | High differentiation     | No  | No  | pT2N0Mx  | 2 | Low  | Alive | 1442 | 4.5 |
| C23 | Female | 65 | No  | No  | No | High differentiation     | No  | No  | pT3N0Mx  | 0 | Low  | Dead  | 802  | 3   |
| C24 | Female | 52 | No  | No  | No | High differentiation     | No  | No  | pT3N0Mx  | 0 | Low  | Alive | 1430 | 2   |
| C25 | Male   | 59 | No  | No  | No | High differentiation     | No  | No  | pT3N0Mx  | 1 | Low  | Alive | 1408 | 3.8 |
| C26 | Female | 67 | No  | No  | No | Low differentiation      | No  | Yes | pT3N2Mx  | 6 | High | Dead  | 530  | 3   |
| C27 | Female | 67 | No  | No  | No | Moderate differentiation | Yes | No  | pT2N0Mx  | 2 | Low  | Alive | 1115 | 8.2 |
| C28 | Male   | 75 | No  | No  | No | High differentiation     | Yes | No  | pT3N0Mx  | 4 | High | Alive | 1414 | 3.5 |
| C29 | Female | 65 | No  | No  | No | High differentiation     | No  | Yes | pT3N1Mx  | 4 | High | Dead  | 596  | 2   |
| C30 | Male   | 69 | Yes | No  | No | High differentiation     | No  | Yes | pT3N1Mx  | 8 | High | Alive | 1311 | 3.4 |
| C31 | Male   | 57 | Yes | No  | No | Low differentiation      | No  | Yes | pT3N1Mx  | 6 | High | Dead  | 651  | 1.5 |
| C32 | Male   | 65 | Yes | No  | No | High differentiation     | Yes | Yes | pT3N2Mx  | 4 | High | Dead  | 520  | 4.2 |
| C33 | Female | 71 | No  | No  | No | Low differentiation      | No  | No  | pT1bN0Mx | 0 | Low  | Alive | 1034 | 1   |

|     |        |    |     |     |     |                          |     |     |          |   |      |       |      |     |
|-----|--------|----|-----|-----|-----|--------------------------|-----|-----|----------|---|------|-------|------|-----|
| C34 | Female | 79 | No  | No  | No  | Moderate differentiation | No  | No  | pT1bN0Mx | 8 | High | Dead  | 410  | 1.2 |
| C35 | Male   | 61 | Yes | Yes | No  | Moderate differentiation | No  | No  | pT2N0Mx  | 3 | Low  | Alive | 1361 | 2.8 |
| C36 | Male   | 63 | Yes | Yes | Yes | Low differentiation      | Yes | Yes | pT3N1Mx  | 4 | High | Dead  | 196  | 1.5 |
| C37 | Female | 66 | No  | No  | No  | High differentiation     | No  | Yes | pT3N1Mx  | 4 | High | Dead  | 770  | 4   |
| C38 | Male   | 66 | No  | Yes | Yes | High differentiation     | Yes | Yes | pT3N2Mx  | 4 | High | Dead  | 650  | 1.8 |
| C39 | Male   | 66 | Yes | No  | No  | High differentiation     | No  | Yes | pT3N1Mx  | 8 | High | Alive | 1341 | 3   |
| C40 | Male   | 76 | No  | Yes | Yes | Low differentiation      | No  | Yes | pT3N1Mx  | 6 | High | Dead  | 528  | 2.5 |
| C41 | Female | 63 | No  | No  | Yes | High differentiation     | No  | Yes | pT2N1Mx  | 4 | High | Alive | 1333 | 4   |
| C42 | Female | 74 | No  | No  | No  | Low differentiation      | No  | Yes | pT2N1Mx  | 6 | High | Alive | 1208 | 2   |
| C43 | Female | 75 | No  | No  | No  | High differentiation     | Yes | No  | pT3N0Mx  | 4 | High | Alive | 1325 | 2.5 |
| C44 | Male   | 63 | Yes | Yes | No  | Low differentiation      | No  | Yes | pT3N2Mx  | 4 | High | Alive | 1324 | 2.5 |
| C45 | Male   | 73 | Yes | Yes | Yes | High differentiation     | Yes | Yes | pT3N2Mx  | 4 | High | Alive | 1320 | 3.3 |
| C46 | Male   | 80 | No  | No  | Yes | High differentiation     | No  | No  | pT3N0Mx  | 4 | High | Alive | 1302 | 4   |
| C47 | Male   | 72 | Yes | Yes | No  | High differentiation     | No  | Yes | pT3N2Mx  | 4 | High | Dead  | 605  | 5.9 |
| C48 | Female | 80 | No  | No  | No  | High differentiation     | Yes | Yes | pT3N1Mx  | 6 | High | Dead  | 524  | 4   |
| C49 | Male   | 68 | Yes | Yes | Yes | Moderate differentiation | No  | No  | pT3N0Mx  | 6 | High | Alive | 1282 | 3   |
| C50 | Male   | 74 | Yes | No  | No  | Low differentiation      | No  | Yes | pT3N1Mx  | 4 | High | Dead  | 688  | 2   |



**Supplementary Figure 1** Receiver operating characteristiccurve analysis of CHMP2A expression. AUC: Area under the curve.